

SASKATCHEWAN WHEAT POOL

VARIETY TESTS

1961

The cover photograph, taken near Estevan in early fall, was characteristic of many fields in the south-east part of the province in 1961. The deep shadow under the hat indicates the intense heat of the summer sun.

SASKATCHEWAN WHEAT POOL

VARIETY TESTS

WHEAT, OATS and BARLEY

1961



Published by

SASKATCHEWAN WHEAT POOL

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FOREWORD

BY THE PRESIDENT OF THE SASKATCHEWAN WHEAT POOL

The year 1961 was full of disappointment and frustration for Saskatchewan farmers. Severe drought conditions, together with widespread insect damage combined to reduce crop yields drastically in the major portion of the province while in some areas little or no crop was harvested for grain.

The season did, however, illustrate some useful points about good farming practices. The fact that wheat yields in the province averaged more than eight bushels per acre, compared to an average of two and a half bushels in 1937, when rainfall was similar, attests to the improvement in moisture conservation techniques used by farmers.

The season also drew attention to those grain varieties best adapted to conditions of drought, which history has shown to be characteristic of this province. It served as a reminder to farmers, plant breeders, conservationists, and all concerned with the agricultural industry, that there can be no relaxation of vigilance in the continued use of the best farming techniques.

Because they were grown under field conditions, many of the 1961 variety tests suffered damage or destruction from the same causes which affected field crops. The young farm men and women who conducted these tests were understandably disappointed. To these, and to the supervisors whose tests were successful, I would like to express, on behalf of the Saskatchewan Wheat Pool, sincere appreciation for their contribution of time and effort which mean so much to the success of a testing project of this type.

Chas. Schilling

Introduction

This report summarizes the results of more than three hundred cereal variety tests located throughout the grain growing area of the province in 1961. The tests are designed to compare the value of several grain varieties grown side by side under various growing conditions which exist in the province. Each test is conducted by a young farm man or woman who does the work on a voluntary basis.

The results have been assembled in this booklet in such a way that a reader who is interested in a particular area or a particular crop can readily find the section dealing with it. A detailed table of contents shows the page number of each section. An alphabetical index at the end of the booklet will assist the reader to find any individual test. For quick reference, yield information in chart form is given on page 14 for wheat, page 32 for oats and page 45 for barley. A brief summary of conclusions can be found on page 8.

The following table shows the type of tests conducted in 1961 and the varieties included in each:

| Project | No. of Tests | Varieties |
|-------------|--------------|-----------------------------------------------|
| Wheat..... | 124 | Thatcher, Canthatch, Selkirk, Pembina, Lake |
| Oats..... | 79 | Garry, Rodney, Exeter, Glen, Russell |
| Barley..... | 114 | Jubilee, Keystone, Hannchen, Betzes, Palliser |
| Total..... | 317 | |

ORGANIZATION OF THE TESTING PROGRAM

Selection of the varieties to be tested, and planning for the project was done with the advice and help of the Field Husbandry Department of the University of Saskatchewan. Valuable assistance was given by Dr. W. J. White, Head of the Department, and by Drs. D. R. Knott and E. N. Larter. Threshing, summarizing and statistical analysis were carried on at the Head Office of the Wheat Pool under the direction of A. D. McLeod, B.S.A.

In planning the project an attempt was made to locate tests with reasonable uniformity throughout the grain growing area of the province. Each individual test was conducted by a young farm man or woman selected for the work by the Wheat Pool delegate in each sub-district. The interest and enthusiasm of these young people contributed substantially to the success of the project.

Seed and equipment for each test were prepared at the Head Office of the Wheat Pool and mailed to the supervisors with complete instructions for seeding. During the growing season each supervisor was asked to complete three progress reports comparing the varieties at various stages of growth. A rain gauge was supplied to each supervisor to enable him to measure and record the amount of rainfall during the four-month growing season. In the fall each test was harvested, dried, wrapped in paper and shipped to the Head Office of the Wheat Pool for threshing and yield calculation. This report was prepared on the basis of threshing results together with information gained from reports completed by supervisors and delegates.

DESCRIPTION OF TESTS

The diagram on page 6 shows the layout of a typical wheat test. Barley and oat tests were similar in size and plan. Each test consisted of 44 rows, each 16½ feet long and spaced 12 inches apart. Five varieties were included in each test and each variety was repeated (replicated) four times. Each replicate included a pair of rows, to give a total of 40 test rows. In addition two rows were seeded at each end of the test for protection purposes. The whole test was surrounded by a double row of winter wheat. When harvesting, each pair of test rows was made into a single sheaf, and the twenty sheaves were each threshed and weighed separately.

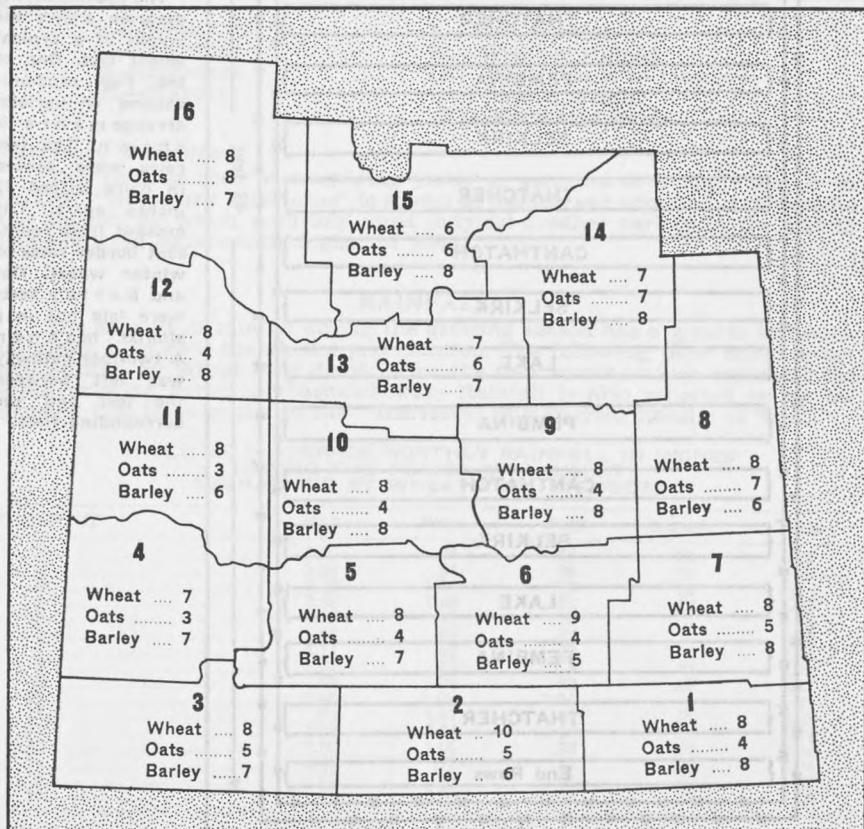
FACTS TO BE REMEMBERED IN READING RESULTS

Growing conditions and hazards which limit grain production vary widely from one area of the province to another and from one year to another. In some areas crop hazards such as rust, frost, sawfly damage or drought can be expected to occur in most years. In some other areas the frequency of occurrence or severity of these hazards may vary considerably, depending on particular conditions in any one year. For example the area east of the third meridian and south of township 30 is often referred to as the rust area, yet in 1954 rust extended as far northwest as North Battleford. Similarly frost damage may be expected to occur with some regularity in northern areas, yet in 1950 crops over most of the province suffered severe frost damage. When considering the best variety to be grown at any location, a grower must consider the possibility of occurrence of various hazards and select varieties which have the necessary resistance to these hazards.

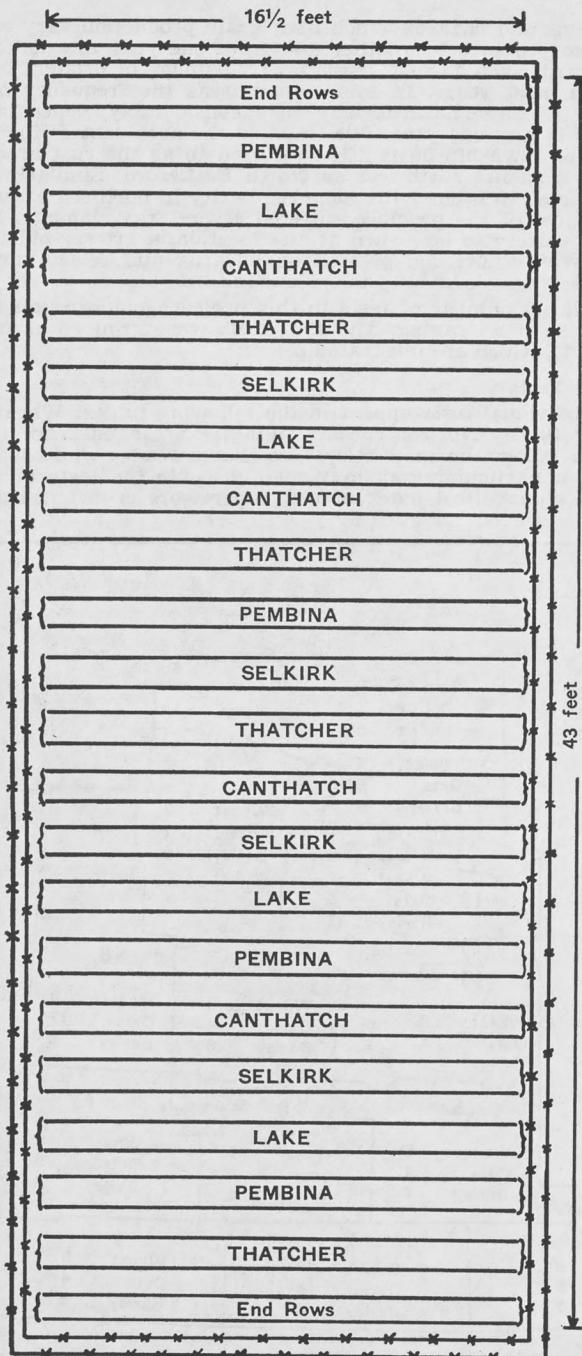
Because of the large number of tests in this project, some grouping was necessary for purposes of averaging. The 1961 tests were grouped according to Wheat Pool districts, which are illustrated below.

Results of Individual Tests

The results of individual tests appear in the following tables: Wheat, No. 8; Oats No. 15; and Barley No. 23. These results are arranged according to Wheat Pool districts (shown on map below), so that a reader who wishes to study the results in a particular area may readily locate the tests in which he is interested. An alphabetical index of test supervisors is included at the



MAP SHOWING DISTRIBUTION OF TESTS IN 1961



PLAN OF TEST

The accompanying diagram shows the layout of a typical wheat test. One of the five randomizations or varietal arrangements is shown. The test rows were seeded in pairs spaced 12 inches apart. The crossed lines represent border rows of winter wheat. Oat and barley tests were laid out in a similar manner. A two-foot pathway was left between the test and the surrounding field.

back of the booklet so that any individual test can be located. It should be emphasized that the results of a single test give an accurate comparison of the varieties only under the conditions which exist on the farm where the test is located. Results may differ widely, even in tests grown relatively close together. This variation may be due to difference in soil type, climatic conditions, date of seeding or other causes.

Straw Strength

Straw strength was reported on the basis of 1-9. If the plants were straight and erect, the strength of straw was recorded as 1. If the straw showed signs of weakness a higher number was used, depending upon the degree of weakness observed.

Neck Strength

This term appears only in connection with barley tests. Neck strength was recorded on the basis of 1, 2 and 3 where 1 indicated a strong neck holding the head upright, 2 indicated a neck of medium strength and 3 indicated weakness in the neck.

Grading Remarks

In determining commercial grades, bushel weight is an important consideration. However, there are many other factors which may lower the grade of a sample. In the individual results, the column headed "Grading Remarks" contain abbreviations used to indicate defects other than bushel weight, which appear in the sample of grain.

The following abbreviations have been used to indicate the various defects:

G.—Green
I.—Immature
S.—Shrunken
St.—Starchy

T.—Thin kernels
W.—Weather stained
(A)—Insufficient to measure
bushel weight
(E)—Estimated grade

Necessary Difference

This term is used in comparing yields of varieties in a single test or in an area. "Necessary Difference" is shown in bushels per acre and it represents the amount by which a variety must outyield another variety in the test to be considered significantly higher in yield.

RAINFALL

The amount of rainfall during the growing season has a greater influence on yields than does the annual precipitation. The following table shows average rainfall by Wheat Pool districts for the four months which represent the grain growing period in Saskatchewan. Rainfall is also reported on an individual test basis in the section "Individual Summarized Results of Tests."

TABLE No. 1—AVERAGE MONTHLY RAINFALL IN INCHES
DURING THE PERIOD MAY-AUGUST
SUMMARIZED BY WHEAT POOL DISTRICTS

| DISTRICT | May | June | July | August | Total |
|----------|------|------|------|--------|-------|
| 1 | 1.25 | .74 | .98 | .01 | 3.27 |
| 2 | 1.82 | .84 | .95 | .07 | 3.47 |
| 3 | 1.16 | 1.54 | .70 | .18 | 3.64 |
| 4 | 2.02 | 1.58 | .52 | .26 | 4.39 |
| 5 | 1.52 | .98 | .78 | .07 | 3.48 |
| 6 | 1.66 | .63 | .87 | .10 | 3.32 |
| 7 | 1.11 | .67 | .60 | .01 | 2.24 |
| 8 | 1.57 | .45 | .78 | .25 | 2.99 |
| 9 | 1.53 | 1.04 | .92 | .03 | 3.47 |
| 10 | 1.46 | 1.08 | 1.04 | — | 3.61 |
| 11 | .91 | 1.57 | .95 | .07 | 3.68 |
| 12 | 1.17 | 2.64 | 1.66 | .12 | 5.84 |
| 13 | 1.07 | 1.05 | .93 | .06 | 3.24 |
| 14 | 1.45 | .70 | .74 | .20 | 3.04 |
| 15 | 1.02 | .74 | .84 | .40 | 3.07 |
| 16 | .62 | 2.22 | 1.55 | .37 | 4.76 |

Note: The above table was compiled from rainfall records kept by test supervisors. Each supervisor was supplied with a rain gauge and one of his duties was to keep a record of rainfall during the growing season.

REVIEW OF THE 1961 SEASON

Surface moisture supplies in the spring of 1961 were reasonably adequate for germination in most parts of the province, but reserve moisture was limited. Cool weather and high winds in the spring caused some local soil drifting in the south and south-east of the province but it was not wide-spread. Slow grain growth in the spring enabled weeds to gain a foothold, and in some fields reseeding was required. The month of June was one of the hottest and driest on record for Saskatchewan, and this, together with grasshopper and cutworm infestation caused a severe decline in the condition of grain crops over the greater part of the province. Only in the north-west were crop conditions favorable. In the south-east a large part of the coarse grain crop was abandoned in the fields or cut for green feed. For the province as a whole the average yield of wheat was slightly more than eight bushels per acre, the lowest yield since 1937. While yields were low most of the grain produced was of excellent quality and high in bushel weight. Harvest weather was ideal and the grain was taken off in good condition.

SUMMARY OF RESULTS

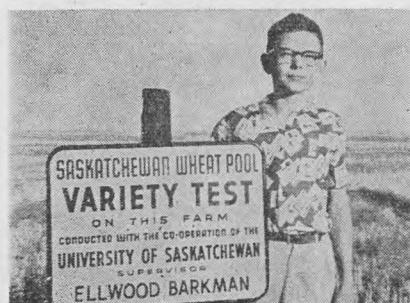
Several unusual characteristics of the 1961 season must be kept in mind when assessing the results of these tests. The unusually widespread and severe drought showed up to advantage those varieties with particular drought resistance and took a heavy toll of those which are not particularly resistant. There was little or no evidence of either stem or leaf rust in the province this year, and consequently the susceptible varieties yielded well even in those areas where rust is a frequent hazard.

In the wheat tests Thatcher and Canthatch outyielded the other three varieties in nearly every Wheat Pool district in the province. As might be expected from their similar parentage, these two varieties were very similar in yield and other characteristics. Both are notably drought resistant, and Canthatch has stem rust resistance as well. Selkirk yielded reasonably well over most of the province but was outyielded by Lake in a limited area of the north and north-west where this variety seems to be particularly adapted. Pembina did not produce outstanding yields under 1961 conditions. Because of their rust resistance Selkirk and Pembina are useful varieties where rust is a crop hazard.

In the oat tests Glen produced outstanding yields in 1961. Exeter also produced good yields while Garry and Rodney were in most cases somewhat lower in yield. In most districts Russell was outyielded by the other four varieties tested. Because of their rust resistance Garry and Russell are useful varieties where rust is a crop hazard. Rodney also is resistant to most races of rust. Exeter and Glen are susceptible to rust.

Palliser and Betzes, both two-rowed barley varieties, yielded well in this year's tests. There was little to choose between them on the basis of yield. Both are susceptible to rust. The feed variety Keystone yielded quite well in a number of Wheat Pool districts. It is the first available barley variety with resistance to loose smut. Hannchen was somewhat lower in yield than the varieties mentioned previously. Jubilee, a feed variety, was not outstanding in yield this year.

More detailed information can be found in the section "Performance of Varieties" for each of the crops.



Ellwood Barkman of Flowing Well placed his sign beside his wheat test.



Mark and Gregory Mulatz of Arbuthnot conducted a joint test this year.

WHEAT TESTS

A total of 124 wheat tests were grown in 1961. Each test contained the five varieties, Thatcher, Canthatch, Selkirk, Pembina and Lake.

DESCRIPTION OF VARIETIES

Thatcher occupies about half the acreage seeded to wheat in the province. It was included in these tests as a standard of comparison. It was developed at the University of Minnesota from the cross (Marquis X Iumillo) X (Marquis X Kanred). Thatcher is high in milling and baking quality. It is resistant to drought, to shattering and to spring frost damage, but susceptible to bleaching. It is resistant to loose smut and moderately resistant to common rootrot, but susceptible to leaf rust, to stem rust and to covered smut.

Canthatch was developed at Winnipeg by the Canada Department of Agriculture, and licensed for commercial distribution in 1959. It is very similar to Thatcher in appearance and growth characteristics, but has added stem rust resistance. It is, however, susceptible to leaf rust.

Selkirk was developed by the Canada Department of Agriculture at Winnipeg from crosses involving the varieties McMurchy, Exchange and Redman. It is equal to Thatcher in maturity, straw length and straw strength. It is less resistant to shattering but more resistant to bleaching. Selkirk is resistant to stem and leaf rust and to loose and covered smut.

Pembina was developed at Winnipeg by the Canada Department of Agriculture and licensed for distribution in 1959. It is similar to Selkirk, but matures slightly earlier and has slightly better stem and leaf rust resistance. Pembina is somewhat higher in milling and baking quality than is Selkirk, but has less resistance to covered smut.

Lake was developed at the Experimental Farm at Scott, Saskatchewan from the cross Regent X Canus. It is later in maturity than Thatcher and has medium long, strong straw. Lake is less resistant to shattering than is Thatcher. It is resistant to covered smut but susceptible to loose smut and to stem and leaf rust.

PERFORMANCE OF VARIETIES

TABLE No. 2—AVERAGE YIELDS IN BUSHELS PER ACRE
SUMMARIZED BY DISTRICTS

| Districts** | No. of Tests | Thatcher | Canthatch | Selkirk | Pembina | Lake | Necessary Difference in Bushels, |
|-------------|--------------|----------|-----------|---------|---------|------|----------------------------------|
| District 1 | 4 | 5.8 | 6.1 | 6.6 | 5.5 | 5.6 | .78 |
| District 2 | 6 | 11.1 | 10.6 | 10.3 | 9.1 | 10.3 | .52 |
| District 3 | 4 | 10.5 | 9.6 | 9.8 | 8.9 | 8.9 | N.S. |
| District 4 | 5 | 20.4 | 20.8 | 18.6 | 17.0 | 15.1 | .84 |
| District 5 | 6 | 15.4 | 15.4 | 13.9 | 12.7 | 13.6 | .62 |
| District 6 | 7 | 19.3 | 18.8 | 18.1 | 16.5 | 18.1 | .66 |
| District 7 | 5 | 14.9 | 14.4 | 13.9 | 12.5 | 13.9 | .74 |
| District 8 | 5 | 12.7 | 12.5 | 11.5 | 9.4 | 13.0 | N.S. |
| District 9 | 8 | 13.6 | 13.5 | 13.0 | 11.4 | 12.3 | .51 |
| District 10 | 7 | 10.8 | 10.8 | 10.1 | 9.2 | 9.7 | .62 |
| District 11 | 7 | 14.2 | 14.1 | 13.6 | 11.9 | 14.0 | .74 |
| District 12 | 7 | 23.1 | 24.1 | 20.5 | 19.2 | 22.3 | N.S. |
| District 13 | 6 | 16.8 | 16.4 | 15.4 | 13.5 | 16.0 | N.S. |
| District 14 | 4 | 17.5 | 17.7 | 16.4 | 15.0 | 16.9 | N.S. |
| District 15 | 6 | 25.7 | 25.4 | 22.3 | 21.1 | 22.9 | 1.38 |
| District 16 | 8 | 21.4 | 22.1 | 21.6 | 18.2 | 19.2 | N.S. |

***Necessary Difference**—Since yielding ability of varieties cannot be measured with absolute accuracy small differences have no significance. "Necessary Difference" is a statistical measurement of this difference. Unless the difference in yield of two varieties is greater than the necessary difference as shown in the tables, little confidence can be placed in the superiority of one variety over the other in that particular area.

N.S.—Yield differences not significant.

**See map, page 5.

Table No. 2. Under the drought conditions which prevailed during 1961 the varieties **Thatcher** and **Canthatch** performed better than the other varieties tested. In all cases yield differences between these two varieties were

slight and in no district were these differences statistically significant. **Selkirk** ranked third in yield in the province as a whole. However in several districts in the north and north-west it was outyielded by **Lake**. Under the conditions which existed in 1961, **Pembina** was the lowest yielding of the five varieties tested. When comparing these varieties it should be kept in mind that in some respects 1961 conditions were unusual for this province. There was little or no evidence of rust, in any area of the province, and unusually dry conditions extended over a wide area. These conditions tended to show up to advantage those varieties with drought tolerance. Under conditions where stem and leaf rust may be expected to occur frequently, the resistant varieties **Pembina** and **Selkirk** are the only ones which should be grown. In this year's tests **Selkirk** consistently outyielded **Pembina**. Where stem rust alone is a hazard and drought conditions are likely to prevail, **Canthatch** would be a useful choice. **Lake** appears to have a limited adaptation in the west-central and north-west of the province, although it is comparatively late in maturity. No sawfly resistant varieties were tested in 1961 but in previous tests **Chinook** and **Rescue** have proved useful where sawfly damage is expected.

TABLE No. 3—AVERAGE NUMBER OF DAYS FROM SEEDING TO RIPENING—
SUMMARIZED BY DISTRICTS

| District | Thatcher | Canthatch | Selkirk | Pembina | Lake |
|-------------|----------|-----------|---------|---------|------|
| District 1 | 82.0 | 81.7 | 81.3 | 81.0 | 83.0 |
| District 2 | 88.8 | 88.3 | 88.0 | 87.0 | 89.5 |
| District 3 | 86.8 | 86.5 | 87.3 | 86.8 | 88.8 |
| District 4 | 85.5 | 87.0 | 86.5 | 86.0 | 88.0 |
| District 5 | 87.8 | 87.8 | 86.6 | 86.6 | 89.8 |
| District 6 | 85.0 | 84.8 | 84.3 | 84.3 | 87.8 |
| District 7 | 85.5 | 85.5 | 85.0 | 85.3 | 88.5 |
| District 8 | 86.7 | 87.0 | 87.0 | 87.0 | 88.7 |
| District 9 | 85.1 | 84.4 | 84.4 | 83.7 | 86.6 |
| District 10 | 79.0 | 79.5 | 80.5 | 78.8 | 79.3 |
| District 11 | 84.2 | 84.8 | 84.0 | 84.8 | 87.8 |
| District 12 | 87.0 | 87.0 | 86.8 | 86.8 | 90.0 |
| District 13 | 81.6 | 80.2 | 80.2 | 79.8 | 83.4 |
| District 14 | 90.3 | 90.7 | 90.3 | 89.0 | 93.7 |
| District 15 | 86.8 | 88.3 | 89.3 | 87.3 | 92.0 |
| District 16 | 91.7 | 91.3 | 90.4 | 90.4 | 93.7 |

Table No. 3. Time of maturity is an important characteristic in areas where early frost is likely to occur. Of the five varieties tested **Pembina** was on the average the earliest to mature. **Selkirk** was quite close to **Pembina** but slightly later. **Thatcher** and **Canthatch** were quite similar in time of maturity, while **Lake** was consistently several days later.



Many variety test supervisors took part in tours. Here Eugene Vermette, a registered seed grower at Elrose discusses flax with three supervisors from District 11.

TABLE No. 4—AVERAGE HEIGHT OF PLANTS IN INCHES—
SUMMARIZED BY DISTRICTS

| District | Thatcher | Canthatch | Selkirk | Pembina | Lake |
|-------------|----------|-----------|---------|---------|------|
| District 1 | 14.0 | 13.5 | 13.3 | 12.8 | 14.0 |
| District 2 | 17.5 | 17.5 | 17.3 | 16.0 | 18.0 |
| District 3 | 18.2 | 17.0 | 16.4 | 16.2 | 17.4 |
| District 4 | 20.8 | 21.3 | 21.3 | 20.8 | 21.5 |
| District 5 | 22.5 | 21.8 | 21.0 | 20.2 | 23.2 |
| District 6 | 23.4 | 22.8 | 23.2 | 21.4 | 25.2 |
| District 7 | 18.2 | 17.8 | 17.6 | 17.4 | 19.4 |
| District 8 | 18.5 | 18.0 | 18.5 | 16.0 | 21.5 |
| District 9 | 17.4 | 16.4 | 16.8 | 15.9 | 18.0 |
| District 10 | 17.6 | 16.8 | 17.0 | 16.0 | 17.0 |
| District 11 | 17.3 | 17.4 | 17.6 | 17.7 | 19.9 |
| District 12 | 22.7 | 22.4 | 22.9 | 22.0 | 24.0 |
| District 13 | 20.0 | 19.7 | 18.8 | 17.7 | 22.3 |
| District 14 | 24.8 | 24.0 | 23.8 | 23.0 | 26.0 |
| District 15 | 25.8 | 25.2 | 25.0 | 24.3 | 27.8 |
| District 16 | 24.7 | 23.4 | 23.4 | 23.0 | 24.6 |

Table No. 4. Short straw may be considered an advantage or a disadvantage depending on the growing conditions in any one year. Under dry conditions short straw may cause difficulty in combining. On the other hand, very tall straw under moist conditions may tend to lodge in the field. Of the five varieties tested, Pembina had the shortest straw, followed by Selkirk, Canthatch and Thatcher in that order. In nearly every district Lake was the tallest variety of those tested.

TABLE No. 5—AVERAGE STRAW STRENGTH OF PLANTS ON THE BASIS
1 (Strong) to 9 (Weak)
SUMMARIZED BY DISTRICTS

| District | Thatcher | Canthatch | Selkirk | Pembina | Lake |
|-------------|----------|-----------|---------|---------|------|
| District 1 | 2.8 | 2.8 | 3.4 | 3.3 | 3.2 |
| District 2 | 4.4 | 4.0 | 4.0 | 4.1 | 4.2 |
| District 3 | 3.2 | 3.2 | 3.7 | 3.4 | 3.0 |
| District 4 | 1.3 | 1.5 | 1.3 | 1.0 | 1.3 |
| District 5 | 2.7 | 2.6 | 2.8 | 3.0 | 2.0 |
| District 6 | 2.7 | 2.6 | 2.6 | 3.1 | 2.4 |
| District 7 | 2.3 | 2.3 | 2.0 | 2.4 | 3.1 |
| District 8 | 2.7 | 2.7 | 2.7 | 2.7 | 3.3 |
| District 9 | 2.2 | 2.1 | 1.7 | 2.4 | 1.5 |
| District 10 | 1.8 | 1.9 | 2.8 | 2.2 | 2.2 |
| District 11 | 1.3 | 2.1 | 2.7 | 2.3 | 2.4 |
| District 12 | 1.9 | 1.6 | 1.9 | 1.7 | 2.3 |
| District 13 | 1.9 | 2.3 | 2.0 | 2.2 | 1.9 |
| District 14 | 1.8 | 1.9 | 1.6 | 2.8 | 2.3 |
| District 15 | 2.9 | 2.6 | 2.9 | 2.8 | 4.4 |
| District 16 | 1.5 | 1.7 | 1.4 | 1.9 | 1.5 |

Table No. 5. In 1961 most grain plants were short and there was very little adverse weather at harvest time which might cause lodging. All five of the varieties tested showed very satisfactory straw strength this year.

TABLE No. 6—AVERAGE WEIGHT PER MEASURED BUSHEL—
SUMMARIZED BY DISTRICTS

| District | Thatcher | Canthatch | Selkirk | Pembina | Lake |
|-------------|----------|-----------|---------|---------|------|
| District 1 | 62.3 | 62.7 | 58.7 | 59.7 | 61.3 |
| District 2 | 62.5 | 63.3 | 60.5 | 61.1 | 62.0 |
| District 3 | 59.0 | 60.2 | 56.2 | 57.4 | 58.0 |
| District 4 | 60.6 | 61.4 | 59.0 | 59.6 | 59.2 |
| District 5 | 61.2 | 61.8 | 58.8 | 59.8 | 61.0 |
| District 6 | 63.9 | 64.3 | 62.1 | 62.6 | 62.9 |
| District 7 | 62.7 | 63.2 | 60.7 | 61.3 | 61.8 |
| District 8 | 63.0 | 63.6 | 60.9 | 61.4 | 62.1 |
| District 9 | 62.6 | 63.5 | 61.0 | 61.1 | 62.3 |
| District 10 | 60.9 | 61.6 | 58.4 | 59.4 | 58.9 |
| District 11 | 62.3 | 63.1 | 60.1 | 61.3 | 61.3 |
| District 12 | 63.5 | 64.0 | 60.9 | 62.1 | 63.0 |
| District 13 | 61.7 | 62.4 | 60.0 | 61.4 | 61.7 |
| District 14 | 63.3 | 63.7 | 61.8 | 62.7 | 63.2 |
| District 15 | 63.7 | 63.8 | 62.2 | 62.8 | 63.2 |
| District 16 | 63.0 | 63.9 | 61.4 | 62.4 | 62.5 |

Table No. 6. Bushel weight is one of the factors which affect commercial grades of grain, and in this way affect the return which the farmer receives for his crop. In 1961 although crops were thin and yields low, in general bushel weights were unusually high and samples graded favorably.

The relative bushel weights of the five varieties tested were quite consistent throughout the province. They placed in the following order: **Canthatch Thatcher, Lake, Pembina, and Selkirk.** In a year in which average bushel weights were lower than in 1961 some of the varieties with characteristically lower weight might be degraded for this reason.

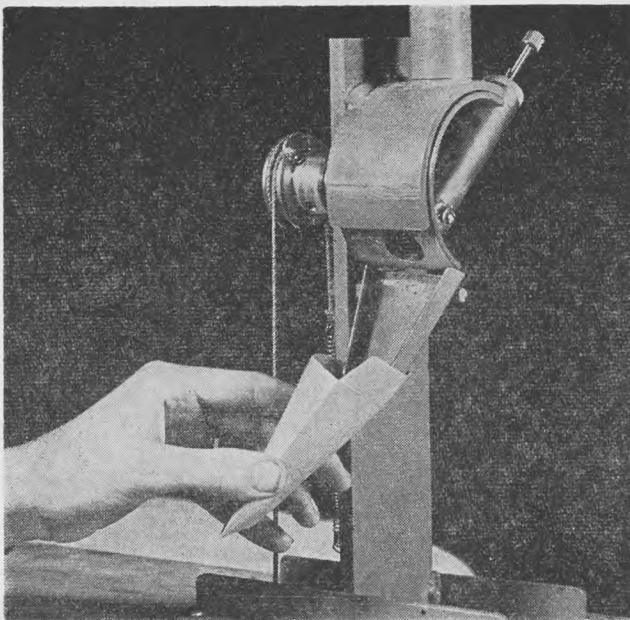
TABLE No. 7—PERCENTAGE OF COMMERCIAL GRADES BY VARIETIES

| Variety | 1 Nor. % | 2 Nor. % | 3 Nor. % | 4 Nor. % | 4 Sp. % | No. 5 % | 5 Sp. % | No. 6 % |
|-----------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|
| Thatcher | 57.0 | 34.6 | 4.7 | .9 | 2.8 | — | — | — |
| Canthatch | 57.0 | 34.6 | 4.7 | 1.9 | .9 | — | .9 | — |
| Selkirk | 19.7 | 62.7 | 9.3 | 3.7 | 1.9 | .9 | .9 | .9 |
| Pembina | 17.8 | 70.1 | 6.5 | 1.9 | 1.9 | .9 | — | .9 |
| Lake | 40.2 | 49.6 | 4.7 | 2.8 | 1.8 | — | — | .9 |

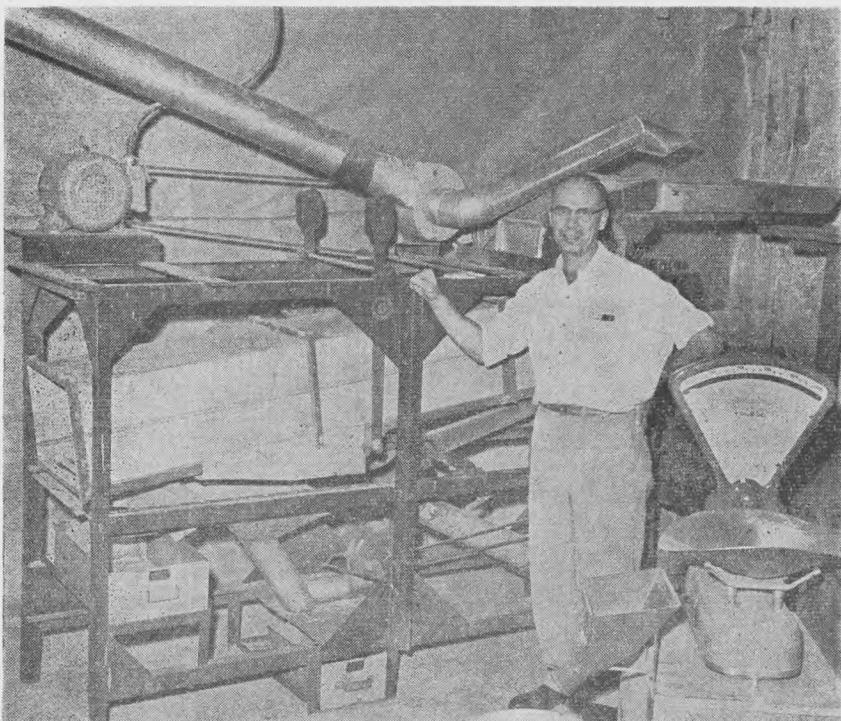
Table No. 7. Due to generally high bushel weight and good harvest weather, grain grades in 1961 were very favorable. In some instances the presence of thin and shrunken kernels resulted in degrading of samples. **Thatcher** and **Canthatch** were superior in grade with more than 90 per cent of the samples of both varieties falling in the top two grades. **Lake** graded slightly lower with just under 90 per cent of the samples in these two grades, while **Pembina** and **Selkirk** were somewhat lower in grade.



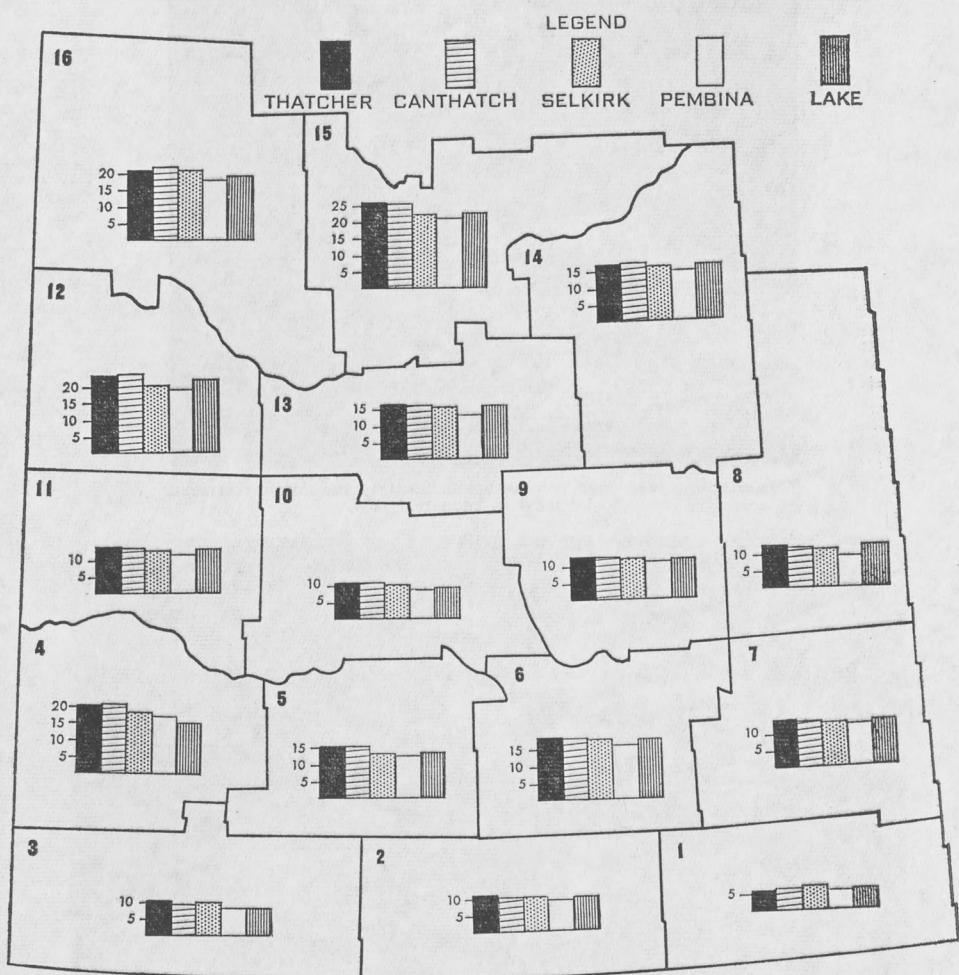
Ronald Stengler has reason to be proud of a uniform stand of oats in his test at Mankota.



This machine was used to measure accurately the amount of seed to be used in each test row.



A special rod-row threshing machine in Regina was used to thresh the test sheaves.



GRAPHS SHOWING WHEAT YIELDS IN 1961

TABLE No. 8

INDIVIDUAL SUMMARIZED RESULTS OF ALL TESTS—WHEAT

The results of all successful wheat tests are shown individually in the following table. The tests are listed in order of Wheat Pool districts and sub-districts. Before consulting the following table the reader is advised to refer to the discussion on page 5, headed, "Facts To Be Remembered in Reading Results."

Important—It should be kept in mind that the results of a single test should not be used as the basis for the choice of a variety. A more reliable guide is the discussion on a district basis which notes the performance of the same varieties in a large number of tests conducted in an area where growing conditions are more or less similar.

For an explanation of the abbreviations under "Grading Remarks", see Page 7.

WHEAT POOL DISTRICT 1

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-----------------------------------------------------------------------------------|------------|-------------------------------|---------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| CHARLES E. REDPATH, GAINSBOROUGH | | | | | | | | | |
| 1 | 1 | Thatcher | — | 86 | 12 | 7.0 | (A) | 3 Nor. | (E) |
| | | Canthatch | — | 85 | 10 | 7.3 | (A) | 3 Nor. | (E) |
| | | Selkirk | — | 86 | 11 | 8.5 | (A) | 4 Nor. | (E) |
| | | Pembina | — | 85 | 10 | 8.3 | (A) | 3 Nor. | (E) |
| | | Lake | — | 85 | 11 | 7.8 | (A) | 3 Nor. | (E) |
| Test damaged by shattering—yields not reliable Rainfall—May to August—3.82 inches | | | | | | | | | |
| NORMAN I. DILLMAN, BIENFAIT | | | | | | | | | |
| 1 | 4 | Thatcher | 1.1 | 80 | 8 | 2.0 | (A) | 3 Nor. | (E) |
| | | Canthatch | 1.0 | 80 | 8 | 2.0 | (A) | 3 Nor. | (E) |
| | | Selkirk | 2.1 | 80 | 8 | 2.0 | 56 | 4 Nor. | S. |
| | | Pembina | 1.2 | 80 | 8 | 2.0 | 57 | 3 Nor. | S. |
| | | Lake | 2.2 | 80 | 8 | 2.0 | 60 | 2 Nor. | S. |
| Necessary difference—.72 bushels Rainfall—May to August—1.57 inches | | | | | | | | | |
| AIME E. BOEY, BENSON | | | | | | | | | |
| 1 | 5 | Thatcher | 10.3 | 80 | 18 | 1.0 | 64 | 1 Nor. | — |
| | | Canthatch | 10.6 | 80 | 18 | 1.0 | 65 | 1 Nor. | — |
| | | Selkirk | 10.2 | 78 | 16 | 2.0 | 62 | 2 Nor. | S. |
| | | Pembina | 8.6 | 78 | 15 | 2.0 | 62 | 2 Nor. | S. |
| | | Lake | 9.7 | 84 | 19 | 2.0 | 65 | 1 Nor. | — |
| Yield differences not significant Rainfall—May to August—3.74 inches | | | | | | | | | |
| ROBERT A. ADAMS, ESTEVAN | | | | | | | | | |
| 1 | 6 | Thatcher | 3.9 | — | 18 | 1.0 | 60 | 2 Nor. | S. |
| | | Canthatch | 4.8 | — | 18 | 1.0 | 61 | 2 Nor. | S. |
| | | Selkirk | 4.0 | — | 18 | 1.0 | 55 | 4 Sp. | S. |
| | | Pembina | 3.0 | — | 18 | 1.0 | 57 | 3 Nor. | S. |
| | | Lake | 4.1 | — | 18 | 1.0 | 59 | 2 Nor. | S. |
| Necessary difference—.86 bushels Rainfall—May to August—1.80 inches | | | | | | | | | |
| RONALD G. ALEXANDER, GOODWATER | | | | | | | | | |
| 1 | 7 | Thatcher | 7.8 | — | — | — | 63 | 2 Nor. | S. |
| | | Canthatch | 7.9 | — | — | — | 62 | 2 Nor. | S. |
| | | Selkirk | 10.1 | — | — | — | 59 | 2 Nor. | — |
| | | Pembina | 9.3 | — | — | — | 60 | 2 Nor. | S. |
| | | Lake | 6.5 | — | — | — | 60 | 2 Nor. | S. |
| Yield differences not significant Rainfall—May to August—3.17 inches | | | | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 1 | 2 | Kathleen E. Sorensen, Alida | | | | | | | |
| 1 | 3 | Nicholas F. Henger, Glen Ewen | | | | | | | |
| 1 | 9 | Julian A. Richaud, Forget | | | | | | | |

WHEAT POOL DISTRICT 2

| DANIEL R. JOHNSON, BEAUBIER | | | | | | | | | |
|----------------------------------------------------------------------|---|-----------|------|----|----|-----|----|--------|----|
| 2 | 1 | Thatcher | 14.8 | 88 | 25 | 5.0 | 64 | 1 Nor. | — |
| | | Canthatch | 14.9 | 87 | 25 | 6.5 | 65 | 1 Nor. | — |
| | | Selkirk | 14.4 | 89 | 24 | 5.0 | 63 | 1 Nor. | — |
| | | Pembina | 11.9 | 87 | 24 | 5.5 | 62 | 2 Nor. | T. |
| | | Lake | 13.6 | 90 | 25 | 4.3 | 63 | 1 Nor. | — |
| Necessary difference—1.28 bushels Rainfall—May to August—2.70 inches | | | | | | | | | |

Wheat Pool District 2—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|-------------------------------------------------------------------------------|---------------|-----------------------------|------------------------------------|--------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| GERALD B. KRAVANYA, MINTON | | | | | | | | | |
| 2 | 2 | Thatcher | 8.7 | — | 17 | 2.0 | 64 | 1 Nor. | — |
| | | Canthatch | 8.1 | — | 18 | 2.0 | 65 | 1 Nor. | — |
| | | Selkirk | 8.6 | — | 17 | 2.0 | 62 | 2 Nor. | S. |
| | | Pembina | 8.0 | — | 17 | 2.0 | 63 | 1 Nor. | — |
| | | Lake | 9.7 | — | 20 | 2.0 | 64 | 1 Nor. | — |
| Yield differences not significant | | | Rainfall—May to August—3.95 inches | | | | | | |
| BARRY W. SAWIN, BIG BEAVER | | | | | | | | | |
| 2 | 3 | Thatcher | 1.5 | — | — | — | 59 | 2 Nor. | — |
| | | Canthatch | 1.2 | — | — | — | (A) | 3 Nor. | (E) |
| | | Selkirk | 2.0 | — | — | — | 57 | 3 Nor. | — |
| | | Pembina | 1.3 | — | — | — | 57 | 3 Nor. | — |
| | | Lake | 1.4 | — | — | — | 57 | 3 Nor. | — |
| Yield differences not significant | | | Rainfall record incomplete | | | | | | |
| RAYMOND L. LOY, CANOPUS | | | | | | | | | |
| 2 | 5 | Thatcher | 19.5 | 96 | — | — | 61 | 2 Nor. | S. |
| | | Canthatch | 19.2 | 96 | — | — | 62 | 2 Nor. | S. |
| | | Selkirk | 16.1 | 96 | — | — | 59 | 2 Nor. | S. |
| | | Pembina | 15.7 | 96 | — | — | 60 | 2 Nor. | S. |
| | | Lake | 16.5 | 99 | — | — | 61 | 2 Nor. | S. |
| Necessary difference—2.23 bushels | | | Rainfall—May to August—6.35 inches | | | | | | |
| R. GRANT LANGMAN, MELAVAL | | | | | | | | | |
| 2 | 6 | Thatcher | 12.1 | — | — | — | 63 | 2 Nor. | T. |
| | | Canthatch | 12.0 | — | — | — | 63 | 1 Nor. | — |
| | | Selkirk | 12.0 | — | — | — | 60 | 2 Nor. | T. |
| | | Pembina | 10.2 | — | — | — | 61 | 2 Nor. | T. |
| | | Lake | 13.5 | — | — | — | 63 | 1 Nor. | — |
| Necessary difference—.87 bushels | | | Rainfall—May to August—3.10 inches | | | | | | |
| KENNETH J. BERNER, VERWOOD | | | | | | | | | |
| 2 | 8 | Thatcher | — | 83 | 15 | 7.0 | 61 | 2 Nor. | S. |
| | | Canthatch | — | 82 | 15 | 4.0 | 62 | 2 Nor. | S. |
| | | Selkirk | — | 80 | 14 | 6.0 | 59 | 2 Nor. | T. |
| | | Pembina | — | 78 | 12 | 5.0 | 60 | 2 Nor. | T. |
| | | Lake | — | 80 | 13 | 6.0 | 60 | 2 Nor. | T. |
| Part of test damaged by shattering—yields not reliable | | | Rainfall—May to August—3.57 inches | | | | | | |
| CLIFFORD A. ZABOLOTNEY, KAYVILLE | | | | | | | | | |
| 2 | 9 | Thatcher | 9.8 | 88 | 14 | 3.5 | 62 | 2 Nor. | W. |
| | | Canthatch | 8.2 | 88 | 12 | 3.3 | 63 | 2 Nor. | W. |
| | | Selkirk | 8.7 | 87 | 14 | 3.0 | 60 | 2 Nor. | T. |
| | | Pembina | 7.2 | 87 | 11 | 4.0 | 61 | 2 Nor. | T. |
| | | Lake | 6.8 | 89 | 14 | 4.5 | 61 | 2 Nor. | T. St. |
| Necessary difference—1.30 bushels | | | Rainfall—May to August—2.11 inches | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 2 | 4 | Ronald L. Belsher, Rockglen | — | — | — | — | — | — | — |
| 2 | 7 | Richard J. Tonita, Flintoft | — | — | — | — | — | — | — |
| 2 | 11 | Brian J. Sweeney, Bengough | — | — | — | — | — | — | — |

WHEAT POOL DISTRICT 3

| DELMER D. FORZLEY, McCORD | | | | | | | | | |
|----------------------------------------------------------|---|-----------|------------------------------------|----|----|-----|-----|--------|-----|
| 3 | 1 | Thatcher | 1.9 | 81 | — | — | 53 | 4 Sp. | S. |
| | | Canthatch | 1.9 | 81 | — | — | 53 | 4 Sp. | — |
| | | Selkirk | 1.3 | 81 | — | — | 51 | No. 6 | S. |
| | | Pembina | 1.4 | 81 | — | — | 51 | No. 6 | S. |
| | | Lake | .8 | 84 | — | — | (A) | No. 6 | (E) |
| Test damaged by hail—yields not used in district summary | | | Rainfall—May to August—3.88 inches | | | | | | |
| RONALD B. JOHNSON, OXARAT | | | | | | | | | |
| 3 | 5 | Thatcher | 19.5 | 83 | 22 | 1.8 | 60 | 2 Nor. | S. |
| | | Canthatch | 16.7 | 82 | 21 | 2.0 | 60 | 2 Nor. | S. |
| | | Selkirk | 16.5 | 83 | 20 | 2.0 | 57 | 3 Nor. | S. |
| | | Pembina | 16.9 | 83 | 20 | 2.0 | 59 | 2 Nor. | T. |
| | | Lake | 16.4 | 84 | 22 | 1.8 | 59 | 2 Nor. | T. |
| Yield differences not significant | | | Rainfall—May to August—4.95 inches | | | | | | |

Wheat Pool District 3—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|--------------------------------------------------------------------------------------|------------|-------------------------------|---------------------|------------------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| STEWART D. ADAM, EASTEND | | | | | | | | | |
| 3 | 6 | Thatcher | 10.0 | — | 17 | 2.3 | 60 | 2 Nor. | S. |
| | | Canthatch | 9.7 | — | 17 | 2.0 | 62 | 2 Nor. | S. |
| | | Selkirk | 11.1 | — | 16 | 4.3 | 57 | 3 Nor. | — |
| | | Pembina | 8.6 | — | 16 | 2.8 | 59 | 2 Nor. | — |
| | | Lake | 9.1 | — | 18 | 2.5 | 59 | 2 Nor. | — |
| Necessary difference—1.02 bushels | | | | Rainfall—May to August—4.36 inches | | | | | |
| ORLAND H. WILLS, EASTEND | | | | | | | | | |
| 3 | 7 | Thatcher | — | — | 17 | 7.3 | 55 | 4 Sp. | S. |
| | | Canthatch | — | — | 15 | 7.3 | 56 | 4 Nor. | S. |
| | | Selkirk | — | — | 14 | 7.5 | 53 | No. 5 | — |
| | | Pembina | — | — | 14 | 7.8 | 53 | No. 5 | — |
| | | Lake | — | — | 13 | 6.0 | 54 | 4 Sp. | — |
| Test damaged by birds—yields not reliable | | | | Rainfall—May to August—5.17 inches | | | | | |
| ROBERT D. ZAREMBA, INSTOW | | | | | | | | | |
| 3 | 8 | Thatcher | 8.1 | 96 | 20 | 2.0 | 60 | 2 Nor. | S. |
| | | Canthatch | 8.0 | 96 | 18 | 2.0 | 62 | 2 Nor. | S. |
| | | Selkirk | 7.7 | 96 | 18 | 2.0 | 58 | 2 Nor. | — |
| | | Pembina | 6.6 | 95 | 18 | 2.0 | 59 | 2 Nor. | — |
| | | Lake | 7.2 | 97 | 20 | 2.0 | 60 | 2 Nor. | S. |
| Yield differences not significant | | | | Rainfall—May to August—3.53 inches | | | | | |
| DAVID A. CALVIN, HAZENMORE | | | | | | | | | |
| 3 | 10 | Thatcher | 4.2 | 87 | 15 | 2.5 | 60 | 2 Nor. | T. |
| | | Canthatch | 3.9 | 87 | 14 | 2.8 | 61 | 2 Nor. | T. |
| | | Selkirk | 4.0 | 89 | 14 | 2.8 | 56 | 3 Nor. | T. |
| | | Pembina | 3.3 | 88 | 13 | 2.5 | 57 | 3 Nor. | T. |
| | | Lake | 3.0 | 90 | 14 | 2.5 | 58 | 3 Nor. | T. |
| Yield differences not significant | | | | Rainfall—May to August—2.88 inches | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 3 | 2 | George E. Anderson, Val Marie | — | — | — | — | — | — | — |
| 3 | 3 | Maurice A. Wilson, Climax | — | — | — | — | — | — | — |

WHEAT POOL DISTRICT 4

| MARVIN C. ZOLLNER, GOLDEN PRAIRIE | | | | | | | | | |
|---------------------------------------------------------------------|---|-----------|------|------------------------------------|----|-----|-----|--------|-----|
| 4 | 2 | Thatcher | .9 | 88 | 12 | 1.0 | (A) | 4 Sp. | (E) |
| | | Canthatch | .6 | 89 | 12 | 1.0 | (A) | 4 Sp. | S. |
| | | Selkirk | 2.5 | 90 | 12 | 1.0 | 53 | 4 Sp. | S. |
| | | Pembina | 1.3 | 89 | 12 | 1.0 | 53 | 4 Sp. | S. |
| | | Lake | .7 | 91 | 11 | 1.0 | (A) | 4 Sp. | (E) |
| Test damaged by grasshoppers—yield not included in district summary | | | | Rainfall record incomplete | | | | | |
| ROBERT OLDHAVER, CABRI | | | | | | | | | |
| 4 | 5 | Thatcher | 44.8 | — | 32 | 1.0 | 64 | 1 Nor. | — |
| | | Canthatch | 45.1 | — | 33 | 2.0 | 65 | 1 Nor. | — |
| | | Selkirk | 39.2 | — | 33 | 1.0 | 63 | 1 Nor. | — |
| | | Pembina | 37.9 | — | 33 | 1.0 | 64 | 1 Nor. | — |
| | | Lake | 33.5 | — | 34 | 1.0 | 63 | 1 Nor. | — |
| Necessary difference—3.66 bushels | | | | Rainfall—May to August—5.46 inches | | | | | |
| KENNETH J. SAWBY, GOLDEN PRAIRIE | | | | | | | | | |
| 4 | 6 | Thatcher | 17.5 | — | — | — | 61 | 2 Nor. | S. |
| | | Canthatch | 18.3 | — | — | — | 61 | 2 Nor. | S. |
| | | Selkirk | 16.0 | — | — | — | 58 | 2 Nor. | — |
| | | Pembina | 14.2 | — | — | — | 59 | 2 Nor. | — |
| | | Lake | 9.1 | — | — | — | 59 | 2 Nor. | — |
| Necessary difference—1.52 bushels | | | | Rainfall—May to August—4.64 inches | | | | | |
| GARRY W. C. BRILZ, RICHMOND | | | | | | | | | |
| 4 | 7 | Thatcher | 4.8 | — | — | — | 57 | 3 Nor. | — |
| | | Canthatch | 5.7 | — | — | — | 58 | 3 Nor. | S. |
| | | Selkirk | 4.0 | — | — | — | 57 | 3 Nor. | — |
| | | Pembina | 3.5 | — | — | — | 56 | 4 Nor. | — |
| | | Lake | 4.0 | — | — | — | 56 | 4 Nor. | — |
| Yield differences not significant | | | | Rainfall record incomplete | | | | | |

Wheat Pool District 4—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|-----------------------------------|---------------|-----------|------------------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| ROBERT H. STAPLE, SCEPTRE | | | | | | | | | |
| 4 | 9 | Thatcher | 21.0 | 83 | 21 | 1.0 | 62 | 1 Nor. | — |
| | | Canthatch | 21.3 | 85 | 22 | 1.0 | 63 | 1 Nor. | |
| | | Selkirk | 22.0 | 83 | 22 | 1.0 | 60 | 2 Nor. | S. |
| | | Pembina | 18.2 | 83 | 20 | 1.0 | 61 | 2 Nor. | S. |
| | | Lake | 17.9 | 85 | 23 | 1.0 | 61 | 2 Nor. | S. |
| Necessary difference—1.53 bushels | | | Rainfall—May to August—5.01 inches | | | | | | |

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|----------------------------------|---------------|-----------|----------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| KENNETH J. SHIELS, HAZLET | | | | | | | | | |
| 4 | 10 | Thatcher | 13.8 | — | 18 | 2.0 | 59 | 2 Nor. | S. |
| | | Canthatch | 13.7 | — | 18 | 2.0 | 60 | 2 Nor. | S. |
| | | Selkirk | 11.8 | — | 18 | 2.0 | 57 | 3 Nor. | S. |
| | | Pembina | 11.1 | — | 18 | 1.0 | 58 | 2 Nor. | S. |
| | | Lake | 11.0 | — | 18 | 2.0 | 57 | 3 Nor. | S. |
| Necessary difference—.84 bushels | | | Rainfall record incomplete | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:
 4 3 Garth L. Reimer, Leinan

WHEAT POOL DISTRICT 5

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|-----------------------------------|---------------|-----------|------------------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| H. WAYNE SULLY, ARDILL | | | | | | | | | |
| 5 | 1 | Thatcher | 11.8 | 100 | 24 | 4.5 | 63 | 1 Nor. | — |
| | | Canthatch | 9.9 | 99 | 24 | 4.0 | 63 | 1 Nor. | |
| | | Selkirk | 9.0 | 99 | 21 | 5.3 | 60 | 2 Nor. | S. |
| | | Pembina | 7.7 | 99 | 22 | 4.5 | 61 | 2 Nor. | |
| | | Lake | 7.7 | 102 | 23 | 4.0 | 63 | 1 Nor. | — |
| Necessary difference—2.63 bushels | | | Rainfall—May to August—4.04 inches | | | | | | |

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|-------------------------------------------|---------------|-----------|------------------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| MARK AND GREGORY MULATZ, ARBUTHNOT | | | | | | | | | |
| 5 | 2 | Thatcher | 15.5 | — | 20 | 2.0 | 59 | 2 Nor. | — |
| | | Canthatch | 15.1 | — | 19 | 2.0 | 61 | 2 Nor. | S. |
| | | Selkirk | 13.1 | — | 18 | 2.0 | 57 | 3 Nor. | — |
| | | Pembina | 12.9 | — | 19 | 2.0 | 59 | 2 Nor. | — |
| | | Lake | 12.3 | — | 21 | 2.0 | 59 | 2 Nor. | — |
| Necessary difference—1.22 bushels | | | Rainfall—May to August—3.69 inches | | | | | | |

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|-----------------------------------|---------------|-----------|------------------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| W. GARY BETTISON, PAMBURN | | | | | | | | | |
| 5 | 3 | Thatcher | 6.8 | 82 | 15 | 2.0 | 56 | 4 Nor. | — |
| | | Canthatch | 7.2 | 83 | 15 | 2.0 | 56 | 4 Nor. | — |
| | | Selkirk | 5.6 | 80 | 14 | 1.0 | 52 | 5 Sp. | — |
| | | Pembina | 5.9 | 81 | 15 | 1.0 | 53 | 4 Sp. | — |
| | | Lake | 5.8 | 83 | 14 | 1.0 | 56 | 4 Nor. | — |
| Necessary difference—1.02 bushels | | | Rainfall—May to August—3.78 inches | | | | | | |

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|--------------------------------------|---------------|-----------|------------------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| ELLWOOD BARKMAN, FLOWING WELL | | | | | | | | | |
| 5 | 5 | Thatcher | 18.1 | 81 | 24 | 2.0 | 63 | 1 Nor. | — |
| | | Canthatch | 19.1 | 81 | 23 | 2.0 | 64 | 1 Nor. | |
| | | Selkirk | 17.1 | 80 | 22 | 2.0 | 61 | 2 Nor. | S. |
| | | Pembina | 16.7 | 79 | 21 | 3.0 | 62 | 2 Nor. | |
| | | Lake | 16.0 | 85 | 25 | 1.0 | 63 | 1 Nor. | — |
| Necessary difference—1.15 bushels | | | Rainfall—May to August—3.55 inches | | | | | | |

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|------------------------------------|---------------|-----------|------------------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| GARRY C. SHELDON, OLD WIVES | | | | | | | | | |
| 5 | 6 | Thatcher | 25.9 | 89 | 27 | 3.0 | 64 | 1 Nor. | — |
| | | Canthatch | 26.3 | 89 | 26 | 2.0 | 65 | 1 Nor. | |
| | | Selkirk | 23.5 | 89 | 28 | 4.0 | 63 | 1 Nor. | |
| | | Pembina | 21.8 | 89 | 25 | 2.8 | 64 | 1 Nor. | |
| | | Lake | 26.5 | 92 | 29 | 2.8 | 63 | 2 Nor. | S. |
| Necessary difference—1.23 bushels | | | Rainfall—May to August—3.99 inches | | | | | | |

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|--------------------------------------|---------------|-----------|------------------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| PATRICK B. MORRISON, ARCHYDAL | | | | | | | | | |
| 5 | 7 | Thatcher | 14.3 | 87 | 25 | 2.8 | 62 | 2 Nor. | T. |
| | | Canthatch | 14.6 | 87 | 24 | 3.5 | 62 | 2 Nor. | T. |
| | | Selkirk | 14.8 | 85 | 23 | 2.3 | 60 | 2 Nor. | S. |
| | | Pembina | 11.4 | 85 | 19 | 4.8 | 60 | 2 Nor. | |
| | | Lake | 13.3 | 87 | 27 | 1.0 | 62 | 1 Nor. | |
| Necessary difference—2.03 bushels | | | Rainfall—May to August—3.31 inches | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

5 4 Keith E. Stolhandske, Swift Current
 5 10 Clifford A. Mathies, Herbert

WHEAT POOL DISTRICT 6

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-------------------------------------------------------------------------------|------------|--------------------------------|------------------------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| LYNDA M. KUSHNIR, RICETON | | | | | | | | | |
| 6 | 2 | Thatcher | 29.5 | — | 28 | 1.8 | 63 | 1 Nor. | — |
| | | Canthatch | 28.4 | — | 28 | 1.0 | 64 | 1 Nor. | — |
| | | Selkirk | 27.0 | — | 29 | 1.0 | 62 | 1 Nor. | — |
| | | Pembina | 25.2 | — | 27 | 1.3 | 62 | 2 Nor. | S. |
| | | Lake | 25.2 | — | 30 | 1.0 | 61 | 2 Nor. | S. |
| Necessary difference—2.58 bushels | | | Rainfall—May to August—3.97 inches | | | | | | |
| DONALD C. BROOKS, DUMMER | | | | | | | | | |
| 6 | 3 | Thatcher | 11.4 | — | — | — | 64 | 1 Nor. | — |
| | | Canthatch | 10.2 | — | — | — | 64 | 1 Nor. | — |
| | | Selkirk | 10.3 | — | — | — | 62 | 2 Nor. | S. |
| | | Pembina | 9.8 | — | — | — | 62 | 2 Nor. | S. |
| | | Lake | 10.3 | — | — | — | 63 | 1 Nor. | — |
| Yield differences not significant | | | Rainfall—May to August—3.80 inches | | | | | | |
| HARVEY E. THIELE, SPRING VALLEY | | | | | | | | | |
| 6 | 4 | Thatcher | 14.7 | — | 22 | 3.3 | 64 | 1 Nor. | — |
| | | Canthatch | 14.4 | — | 21 | 3.0 | 64 | 1 Nor. | — |
| | | Selkirk | 12.0 | — | 20 | 3.3 | 62 | 2 Nor. | S. |
| | | Pembina | 11.0 | — | 18 | 5.0 | 63 | 2 Nor. | S. |
| | | Lake | 15.3 | — | 22 | 2.0 | 63 | 1 Nor. | — |
| Necessary difference—1.69 bushels | | | Rainfall—May to August—4.19 inches | | | | | | |
| JOHN S. HALES, MOOSE JAW | | | | | | | | | |
| 6 | 5 | Thatcher | 14.3 | 78 | 18 | 7.0 | 64 | 1 Nor. | — |
| | | Canthatch | 14.2 | 78 | 18 | 7.0 | 64 | 1 Nor. | — |
| | | Selkirk | 12.2 | 78 | 18 | 7.0 | 62 | 2 Nor. | S. |
| | | Pembina | 12.2 | 78 | 18 | 7.0 | 63 | 2 Nor. | S. |
| | | Lake | 12.3 | 80 | 22 | 6.0 | 63 | 2 Nor. | S. |
| Necessary difference—1.24 bushels | | | Rainfall—May to August—3.18 inches | | | | | | |
| LORNE D. KELLY, VICTORIA PLAINS | | | | | | | | | |
| 6 | 7 | Thatcher | 31.2 | 88 | 27 | 2.3 | 64 | 1 Nor. | — |
| | | Canthatch | 29.4 | 87 | 26 | 2.3 | 65 | 1 Nor. | — |
| | | Selkirk | 30.9 | 88 | 27 | 2.5 | 62 | 2 Nor. | T. |
| | | Pembina | 26.7 | 88 | 24 | 3.5 | 63 | 2 Nor. | T. |
| | | Lake | 29.0 | 90 | 29 | 2.3 | 63 | 1 Nor. | — |
| Necessary difference—2.01 bushels | | | Rainfall—May to August—4.31 inches | | | | | | |
| MARGARET T. SCHICK, LORLIE | | | | | | | | | |
| 6 | 9 | Thatcher | 19.1 | 86 | 22 | 1.0 | 65 | 1 Nor. | — |
| | | Canthatch | 19.3 | 86 | 21 | 1.0 | 65 | 1 Nor. | — |
| | | Selkirk | 19.2 | 86 | 22 | 1.0 | 63 | 1 Nor. | — |
| | | Pembina | 17.3 | 86 | 20 | 1.0 | 64 | 1 Nor. | — |
| | | Lake | 20.0 | 88 | 23 | 1.8 | 64 | 1 Nor. | — |
| Necessary difference—1.22 bushels | | | Rainfall—May to August—2.18 inches | | | | | | |
| WILLIAM A. ODDIE, TREGARVA | | | | | | | | | |
| 6 | 10 | Thatcher | 15.1 | 88 | 24 | 1.0 | 63 | 1 Nor. | — |
| | | Canthatch | 15.4 | 88 | 22 | 1.0 | 64 | 1 Nor. | — |
| | | Selkirk | 15.4 | 85 | 25 | 1.0 | 62 | 2 Nor. | S. |
| | | Pembina | 13.2 | 85 | — | 1.0 | 61 | 2 Nor. | S. |
| | | Lake | 14.3 | 93 | 27 | 1.0 | 63 | 1 Nor. | — |
| Yield differences not significant | | | Rainfall—May to August—5.54 inches | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 6 | 8 | Larry P. Calcraft, Indian Head | | | | | | | |

WHEAT POOL DISTRICT 7

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-----------------------------------|------------|-----------|------------------------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| ROY T. RICHARDS, WAWOTA | | | | | | | | | |
| 7 | 3 | Thatcher | 13.1 | — | — | — | 64 | 1 Nor. | — |
| | | Canthatch | 13.0 | — | — | — | 64 | 1 Nor. | — |
| | | Selkirk | 12.4 | — | — | — | 61 | 2 Nor. | S. |
| | | Pembina | 11.4 | — | — | — | 63 | 2 Nor. | S. |
| | | Lake | 12.3 | — | — | — | 62 | 2 Nor. | S. |
| Yield differences not significant | | | Rainfall—May to August—3.22 inches | | | | | | |

Wheat Pool District 7—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|-------------------------------------------------------------------------------|---------------|--------------------------|------------------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| DENNIS W. MILLER, WINDTHORST | | | | | | | | | |
| 7 | 4 | Thatcher | 22.3 | 83 | 21 | — | 63 | 1 Nor. | — |
| | | Canthatch | 21.8 | 83 | 21 | — | 63 | 1 Nor. | — |
| | | Selkirk | 18.1 | 83 | 19 | — | 60 | 2 Nor. | — |
| | | Pembina | 18.5 | 83 | 21 | — | 61 | 2 Nor. | — |
| | | Lake | 19.1 | 87 | 23 | — | 62 | 2 Nor. | — |
| Necessary difference—2.12 bushels | | | Rainfall—May to August—2.01 inches | | | | | | |
| TED J. J. MALACH, CANDIAC | | | | | | | | | |
| 7 | 6 | Thatcher | 13.9 | 91 | 18 | 3.0 | 63 | 1 Nor. | — |
| | | Canthatch | 14.0 | 91 | 18 | 3.0 | 64 | 1 Nor. | — |
| | | Selkirk | 12.3 | 89 | 17 | 2.0 | 62 | 2 Nor. | T. |
| | | Pembina | 10.7 | 90 | 16 | 3.0 | 62 | 2 Nor. | T. |
| | | Lake | 11.3 | 91 | 18 | 3.8 | 62 | 2 Nor. | T. |
| Necessary difference—1.05 bushels | | | Rainfall—May to August—3.26 inches | | | | | | |
| E. DAVID OLIVE, WOLSELEY | | | | | | | | | |
| 7 | 7 | Thatcher | 12.8 | 88 | 17 | 2.5 | 61 | 2 Nor. | S. |
| | | Canthatch | 11.5 | 88 | 16 | 2.0 | 62 | 2 Nor. | T. |
| | | Selkirk | 14.8 | 88 | 17 | 2.0 | 60 | 2 Nor. | S. |
| | | Pembina | 12.0 | 88 | 16 | 2.5 | 60 | 2 Nor. | S. |
| | | Lake | 14.3 | 88 | 18 | 2.5 | 61 | 2 Nor. | S. |
| Necessary difference—2.36 bushels | | | Rainfall—May to August—1.45 inches | | | | | | |
| ALAN W. BOWMAN, WHITEWOOD | | | | | | | | | |
| 7 | 8 | Thatcher | — | — | 17 | 2.0 | 61 | 2 Nor. | S. |
| | | Canthatch | — | — | 16 | 2.3 | 62 | 2 Nor. | S. |
| | | Selkirk | — | — | 17 | 2.0 | 59 | 2 Nor. | T. |
| | | Pembina | — | — | 17 | 2.0 | 60 | 2 Nor. | S. |
| | | Lake | — | — | 19 | 1.8 | 60 | 2 Nor. | S. |
| Test damaged by birds—yields not reliable | | | Rainfall—May to August—2.61 inches | | | | | | |
| EVERETT M. SMART, HAZELCLIFFE | | | | | | | | | |
| 7 | 9 | Thatcher | 12.2 | 80 | 18 | 1.8 | 64 | 1 Nor. | — |
| | | Canthatch | 11.9 | 80 | 18 | 2.0 | 64 | 1 Nor. | — |
| | | Selkirk | 11.7 | 80 | 18 | 1.8 | 62 | 2 Nor. | — |
| | | Pembina | 9.9 | 80 | 17 | 2.0 | 62 | 2 Nor. | S. |
| | | Lake | 12.6 | 88 | 19 | 4.3 | 64 | 1 Nor. | — |
| Necessary difference—1.51 bushels | | | Rainfall—May to August—2.01 inches | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 7 | 2 | James A. Frape, Moosomin | | | | | | | |
| 7 | 5 | Gary E. Morris, Fillmore | | | | | | | |

WHEAT POOL DISTRICT 8

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|--------------------------------------|---------------|-----------|------------------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| WAYNE A. RATHGEBER, SALTCOATS | | | | | | | | | |
| 8 | 1 | Thatcher | 19.6 | 77 | 22 | 2.0 | 62 | 2 Nor. | S. |
| | | Canthatch | 17.7 | 77 | 21 | 2.0 | 63 | 2 Nor. | S. |
| | | Selkirk | 16.7 | 78 | 20 | 2.0 | 60 | 2 Nor. | S. |
| | | Pembina | 13.6 | 77 | 18 | 2.0 | 61 | 2 Nor. | S. |
| | | Lake | 20.6 | 78 | 26 | 1.8 | 63 | 2 Nor. | S. |
| Yield differences not significant | | | Rainfall—May to August—2.03 inches | | | | | | |
| JERRY W. WEGNER, RHEIN | | | | | | | | | |
| 8 | 2 | Thatcher | 14.4 | — | — | — | 63 | 1 Nor. | — |
| | | Canthatch | 16.4 | — | — | — | 63 | 1 Nor. | — |
| | | Selkirk | 15.5 | — | — | — | 61 | 2 Nor. | S. |
| | | Pembina | 13.2 | — | — | — | 62 | 2 Nor. | S. |
| | | Lake | 16.3 | — | — | — | 63 | 1 Nor. | — |
| Necessary difference—2.13 bushels | | | Rainfall—May to August—2.87 inches | | | | | | |
| RONALD P. HUDY, MELVILLE | | | | | | | | | |
| 8 | 3 | Thatcher | 9.2 | 85 | — | — | 63 | 1 Nor. | — |
| | | Canthatch | 9.4 | 85 | — | — | 63 | 1 Nor. | — |
| | | Selkirk | 9.5 | 85 | — | — | 59 | 2 Nor. | — |
| | | Pembina | 8.9 | 85 | — | — | 61 | 2 Nor. | S. |
| | | Lake | 8.2 | 89 | — | — | 60 | 2 Nor. | S. |
| Yield differences not significant | | | Rainfall—May to August—2.10 inches | | | | | | |

Wheat Pool District 8—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|--------------------------------------------------------------------------------------|------------|----------------------|---------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| DONALD A. CHADNEY, SPRINGSIDE | | | | | | | | | |
| 8 | 4 | Thatcher | 9.7 | 98 | 15.0 | 1.0 | 64 | 1 Nor. | — |
| | | Canthatch | 10.2 | 99 | 15.0 | 1.0 | 64 | 1 Nor. | — |
| | | Selkirk | 7.1 | 98 | 18.0 | 1.0 | 62 | 1 Nor. | — |
| | | Pembina | 5.8 | 99 | 13.0 | 1.0 | 62 | 2 Nor. | S. |
| | | Lake | 6.9 | 99 | 21.0 | 1.0 | 63 | 1 Nor. | — |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—3.14 inches | | | | | | | | | |
| ROBERT G. STEVENS, DONWELL | | | | | | | | | |
| 8 | 5 | Thatcher | 12.2 | — | 24 | — | 64 | 1 Nor. | — |
| | | Canthatch | 14.7 | — | 23 | — | 65 | 1 Nor. | — |
| | | Selkirk | 10.2 | — | 22 | — | 63 | 1 Nor. | — |
| | | Pembina | 10.2 | — | 19 | — | 63 | 1 Nor. | — |
| | | Lake | 6.6 | — | 26 | — | 63 | 1 Nor. | — |
| Soil variation—yields not included in district summary | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | |
| ALLEN FREDERICKSON, THEODORE | | | | | | | | | |
| 8 | 7 | Thatcher | — | — | — | — | 64 | 1 Nor. | — |
| | | Canthatch | — | — | — | — | 65 | 1 Nor. | — |
| | | Selkirk | — | — | — | — | 62 | 2 Nor. | S. |
| | | Pembina | — | — | — | — | 63 | 2 Nor. | S. |
| | | Lake | — | — | — | — | 60 | 2 Nor. | S. |
| Test damaged—yields not reliable | | | | | | | | | |
| Rainfall—May to August—3.31 inches | | | | | | | | | |
| FRANK M. HRABCHAK, PELLY | | | | | | | | | |
| 8 | 10 | Thatcher | 10.8 | — | 13 | 5.0 | 61 | 3 Nor. | F. |
| | | Canthatch | 9.0 | — | 13 | 5.0 | 62 | 3 Nor. | F. |
| | | Selkirk | 8.7 | — | 14 | 5.0 | 59 | 3 Nor. | F. |
| | | Pembina | 5.5 | — | 14 | 5.0 | 58 | 3 Nor. | F. |
| | | Lake | 13.0 | — | 13 | 7.0 | 63 | 2 Nor. | S. |
| Necessary difference—3.09 bushels | | | | | | | | | |
| Rainfall—May to August—2.84 inches | | | | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 8 | 11 | Donald Rurak, Erwood | — | — | — | — | — | — | — |

WHEAT POOL DISTRICT 9

| LAWRENCE P. JANKOSKI, ITUNA | | | | | | | | | |
|------------------------------------|---|-----------|------|----|----|-----|----|--------|-------|
| 9 | 1 | Thatcher | 12.7 | 86 | 20 | 2.0 | 62 | 2 Nor. | S. |
| | | Canthatch | 13.1 | 85 | 16 | 2.0 | 64 | 1 Nor. | — |
| | | Selkirk | 13.3 | 82 | 21 | 2.0 | 62 | 2 Nor. | S. |
| | | Pembina | 11.6 | 82 | 21 | 2.0 | 62 | 2 Nor. | S. |
| | | Lake | 12.5 | 87 | 19 | 2.0 | 62 | 2 Nor. | S. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—2.45 inches | | | | | | | | | |
| RONALD A. BOSCHE, MARKINCH | | | | | | | | | |
| 9 | 2 | Thatcher | 12.3 | — | 17 | 1.8 | 63 | 2 Nor. | S. |
| | | Canthatch | 12.7 | — | 17 | 2.0 | 64 | 1 Nor. | — |
| | | Selkirk | 9.7 | — | 16 | 1.5 | 61 | 2 Nor. | S. |
| | | Pembina | 10.4 | — | 17 | 3.3 | 61 | 2 Nor. | S. |
| | | Lake | 11.4 | — | 19 | 1.5 | 63 | 2 Nor. | S. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—5.66 inches | | | | | | | | | |
| MURRAY J. MALCOLM, BULYEA | | | | | | | | | |
| 9 | 4 | Thatcher | 17.2 | 81 | 16 | 2.0 | 63 | 1 Nor. | — |
| | | Canthatch | 16.6 | 81 | 14 | 3.0 | 63 | 1 Nor. | — |
| | | Selkirk | 16.4 | 81 | 14 | 2.0 | 61 | 2 Nor. | S. |
| | | Pembina | 13.7 | 81 | 12 | 3.0 | 61 | 2 Nor. | S. |
| | | Lake | 14.1 | 83 | 17 | 1.0 | 63 | 1 Nor. | — |
| Necessary difference—1.51 bushels | | | | | | | | | |
| Rainfall—May to August—4.75 inches | | | | | | | | | |
| RONALD K. MCKAY, GOVAN | | | | | | | | | |
| 9 | 5 | Thatcher | 23.1 | 88 | 25 | 2.3 | 63 | 2 Nor. | G. |
| | | Canthatch | 21.9 | 88 | 24 | 2.0 | 63 | 2 Nor. | S. G. |
| | | Selkirk | 23.7 | 88 | 25 | 2.0 | 62 | 2 Nor. | G. |
| | | Pembina | 20.3 | 88 | 24 | 3.3 | 61 | 2 Nor. | S. |
| | | Lake | 21.6 | 90 | 26 | 1.8 | 62 | 2 Nor. | S. G. |
| Necessary difference—1.81 bushels | | | | | | | | | |
| Rainfall—May to August—2.94 inches | | | | | | | | | |

Wheat Pool District 9—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|-----------------------------------------|------------|-----------|---------------------------|------------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| ALLAN D. BARTEL, LOCKWOOD | | | | | | | | | |
| 9 | 6 | Thatcher | 6.0 | 91 | 15 | 1.5 | 62 | 2 Nor. | S. |
| | | Canthatch | 6.4 | 91 | 15 | 1.3 | 63 | 1 Nor. | — |
| | | Selkirk | 5.1 | 90 | 14 | 1.0 | 61 | 2 Nor. | S. |
| | | Pembina | 4.0 | 90 | 11 | 2.3 | 61 | 2 Nor. | — |
| | | Lake | 7.1 | 92 | 18 | 1.3 | 62 | 2 Nor. | S. |
| Necessary difference—1.10 bushels | | | | Rainfall—May to August—4.31 inches | | | | | |
| DENNIS ECKEL, QUINTON | | | | | | | | | |
| 9 | 7 | Thatcher | 11.3 | 81 | 15 | 2.5 | 63 | 1 Nor. | — |
| | | Canthatch | 11.4 | 77 | 15 | 1.8 | 64 | 1 Nor. | — |
| | | Selkirk | 10.5 | 81 | 15 | 1.0 | 61 | 2 Nor. | S. |
| | | Pembina | 9.1 | 76 | 14 | 1.8 | 62 | 2 Nor. | — |
| | | Lake | 9.6 | 80 | 16 | 1.5 | 63 | 1 Nor. | — |
| Necessary difference—1.23 bushels | | | | Rainfall—May to August—3.59 inches | | | | | |
| LEONARD D. WOOD, KANDAHAR | | | | | | | | | |
| 9 | 8 | Thatcher | 12.1 | 86 | 14 | 2.3 | 64 | 1 Nor. | — |
| | | Canthatch | 11.4 | 86 | 14 | 1.5 | 65 | 1 Nor. | — |
| | | Selkirk | 12.4 | 86 | 14 | 2.3 | 62 | 1 Nor. | — |
| | | Pembina | 10.6 | 86 | 14 | 1.8 | 62 | 2 Nor. | S. |
| | | Lake | 11.2 | 86 | 14 | 1.5 | 63 | 1 Nor. | — |
| Yield differences not significant | | | | Rainfall—May to August—3.26 inches | | | | | |
| BERNARD J. SCHELLENBERG, WISHART | | | | | | | | | |
| 9 | 9 | Thatcher | 14.1 | 83 | 17 | 2.8 | 61 | 2 Nor. | S. |
| | | Canthatch | 14.6 | 83 | 16 | 2.8 | 62 | 2 Nor. | — |
| | | Selkirk | 12.8 | 83 | 15 | 1.5 | 58 | 2 Nor. | — |
| | | Pembina | 11.8 | 83 | 14 | 2.0 | 59 | 2 Nor. | — |
| | | Lake | 10.6 | 88 | 15 | 1.3 | 60 | 2 Nor. | S. |
| Necessary difference—1.10 bushels | | | | Rainfall—May to August—3.41 inches | | | | | |

WHEAT POOL DISTRICT 10

| 10 | 1 | Thatcher | 12.6 | 75 | 16 | 1.0 | 63 | 2 Nor. | S. |
|------------------------------------------|---|-----------|------|------------------------------------|----|-----|----|--------|-------|
| | | Canthatch | 12.6 | 75 | 16 | 1.0 | 64 | 1 Nor. | — |
| | | Selkirk | 12.0 | 75 | 16 | 1.0 | 61 | 2 Nor. | S. |
| | | Pembina | 9.5 | 75 | 14 | 1.0 | 61 | 2 Nor. | — |
| | | Lake | 10.9 | 75 | 16 | 1.0 | 60 | 2 Nor. | S. |
| Necessary difference—1.45 bushels | | | | Rainfall—May to August—3.27 inches | | | | | |
| 10 | 2 | Thatcher | 4.2 | 77 | 13 | 2.0 | 61 | 2 Nor. | S. |
| | | Canthatch | 5.3 | 80 | 12 | 2.0 | 62 | 2 Nor. | — |
| | | Selkirk | 5.2 | 81 | 13 | 2.8 | 59 | 2 Nor. | — |
| | | Pembina | 3.9 | 82 | 12 | 2.0 | 60 | 2 Nor. | S. |
| | | Lake | 5.0 | 76 | 12 | 2.0 | 59 | 2 Nor. | — |
| Necessary difference—.70 bushels | | | | Rainfall record incomplete | | | | | |
| 10 | 5 | Thatcher | 4.7 | — | — | — | 59 | 2 Nor. | — |
| | | Canthatch | 5.5 | — | — | — | 60 | 2 Nor. | S. G. |
| | | Selkirk | 5.2 | — | — | — | 56 | 4 Nor. | — |
| | | Pembina | 4.5 | — | — | — | 56 | 4 Nor. | S. |
| | | Lake | 2.7 | — | — | — | 56 | 4 Nor. | — |
| Yield differences not significant | | | | Rainfall record incomplete | | | | | |
| 10 | 6 | Thatcher | 12.6 | 84 | 20 | 1.0 | 59 | 3 Nor. | S. T. |
| | | Canthatch | 12.6 | 83 | 19 | 1.3 | 60 | 2 Nor. | S. T. |
| | | Selkirk | 12.0 | 85 | 20 | 5.0 | 57 | 3 Nor. | S. T. |
| | | Pembina | 10.8 | 80 | 18 | 2.0 | 59 | 3 Nor. | S. T. |
| | | Lake | 13.0 | 82 | 20 | 1.0 | 58 | 3 Nor. | S. T. |
| Yield differences not significant | | | | Rainfall—May to August—5.39 inches | | | | | |
| 10 | 7 | Thatcher | — | — | 18 | 1.0 | 61 | 2 Nor. | S. |
| | | Canthatch | — | — | 18 | 1.0 | 61 | 2 Nor. | — |
| | | Selkirk | — | — | 12 | 1.0 | 57 | 3 Nor. | S. |
| | | Pembina | — | — | 14 | — | 61 | 2 Nor. | — |
| | | Lake | — | — | 18 | — | 60 | 2 Nor. | S. |
| Test damaged by mice—yields not reliable | | | | Rainfall—May to August—3.51 inches | | | | | |

Wheat Pool District 10—Continued

| Dist. | Sub. Dist. | Varieties | Yield per acre | Days seeding | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-----------------------------------|------------|-----------|----------------|------------------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| FRED A. WOLFF, LIBERTY | | | | | | | | | |
| 10 | 8 | Thatcher | 12.3 | — | 20 | 2.5 | 60 | 2 Nor. | S. |
| | | Canthatch | 11.2 | — | 19 | 2.5 | 60 | 2 Nor. | S. |
| | | Selkirk | 9.0 | — | 19 | 2.5 | 57 | 3 Nor. | — |
| | | Pembina | 10.7 | — | 20 | 2.8 | 59 | 2 Nor. | — |
| | | Lake | 9.6 | — | 20 | 3.0 | 58 | 2 Nor. | — |
| Necessary difference—1.77 bushels | | | | Rainfall—May to August—2.13 inches | | | | | |
| PAUL L. DIDUR, KENASTON | | | | | | | | | |
| 10 | 9 | Thatcher | 16.5 | 80 | 19 | 2.3 | 62 | 2 Nor. | S. |
| | | Canthatch | 16.7 | 80 | 18 | 2.8 | 63 | 1 Nor. | — |
| | | Selkirk | 16.4 | 81 | 17 | 2.5 | 60 | 2 Nor. | S. |
| | | Pembina | 14.2 | 78 | 16 | 3.3 | 61 | 2 Nor. | S. |
| | | Lake | 15.2 | 84 | 17 | 3.8 | 61 | 2 Nor. | S. |
| Yield differences not significant | | | | Rainfall record incomplete | | | | | |
| ERNEST R. ADAIR, HARRIS | | | | | | | | | |
| 10 | 10 | Thatcher | 12.5 | — | — | — | 62 | 2 Nor. | S. |
| | | Canthatch | 11.9 | — | — | — | 62 | 2 Nor. | S. |
| | | Selkirk | 11.2 | — | — | — | 59 | 2 Nor. | S. |
| | | Pembina | 10.6 | — | — | — | 60 | 2 Nor. | S. |
| | | Lake | 11.6 | — | — | — | 60 | 2 Nor. | S. |
| Necessary difference—9.7 bushels | | | | Rainfall—May to August—1.39 inches | | | | | |

WHEAT POOL DISTRICT 11

| Dist. | Sub. Dist. | Varieties | Yield per acre | Days seeding | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|---------------------------------------|------------|-----------|----------------|------------------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| RONALD W. MACPHERSON, LACADENA | | | | | | | | | |
| 11 | 1 | Thatcher | 16.8 | 81 | 18 | 1.0 | 62 | 2 Nor. | S. |
| | | Canthatch | 16.6 | 81 | 18 | 5.3 | 63 | 2 Nor. | S. |
| | | Selkirk | 15.8 | 81 | 20 | 4.5 | 60 | 2 Nor. | S. |
| | | Pembina | 13.1 | 81 | 19 | 3.0 | 61 | 2 Nor. | S. |
| | | Lake | 17.0 | 81 | 20 | 5.0 | 62 | 2 Nor. | S. |
| Necessary difference—2.44 bushels | | | | Rainfall—May to August—3.27 inches | | | | | |
| KATHLEEN A. McBRIDE, MARENGO | | | | | | | | | |
| 11 | 5 | Thatcher | 20.0 | 92 | 32 | 1.5 | 62 | 2 Nor. | S. |
| | | Canthatch | 21.7 | 93 | 29 | 2.5 | 63 | 2 Nor. | S. |
| | | Selkirk | 19.0 | 87 | 31 | 2.3 | 60 | 2 Nor. | S. |
| | | Pembina | 17.7 | 90 | 32 | 2.3 | 62 | 2 Nor. | S. |
| | | Lake | 16.4 | 100 | 33 | 1.3 | 61 | 2 Nor. | S. |
| Necessary difference—3.44 bushels | | | | Rainfall—May to August—2.53 inches | | | | | |
| DENNIS J. MOIR, BEADLE | | | | | | | | | |
| 11 | 6 | Thatcher | 15.7 | 80 | 17 | 1.0 | 61 | 2 Nor. | S., G. |
| | | Canthatch | 14.7 | 80 | 18 | 1.0 | 62 | 2 Nor. | S. |
| | | Selkirk | 14.2 | 81 | 18 | 2.8 | 59 | 2 Nor. | S. |
| | | Pembina | 13.7 | 80 | 19 | 4.0 | 60 | 2 Nor. | S. |
| | | Lake | 14.1 | 83 | 19 | 3.5 | 59 | 2 Nor. | S. |
| Yield differences not significant | | | | Rainfall—May to August—3.84 inches | | | | | |

| Dist. | Sub. Dist. | Varieties | Yield per acre | Days seeding | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-----------------------------------|------------|-----------|----------------|------------------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| ROBERT C. PATON, GLAMIS | | | | | | | | | |
| 11 | 7 | Thatcher | 15.1 | — | 18 | 1.8 | 63 | 2 Nor. | G. |
| | | Canthatch | 14.1 | — | 17 | 1.3 | 64 | 1 Nor. | — |
| | | Selkirk | 13.4 | — | 17 | 4.0 | 60 | 2 Nor. | S. |
| | | Pembina | 11.5 | — | 17 | 2.0 | 61 | 2 Nor. | S. |
| | | Lake | 15.9 | — | 19 | 1.0 | 62 | 2 Nor. | G. |
| Necessary difference—1.24 bushels | | | | Rainfall—May to August—2.86 inches | | | | | |

| Dist. | Sub. Dist. | Varieties | Yield per acre | Days seeding | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|------------------------------------|------------|-----------|----------------|------------------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| GREGORY R. MARTIN, HERSCHEL | | | | | | | | | |
| 11 | 8 | Thatcher | 14.7 | 81 | 14 | 2.0 | 64 | 1 Nor. | — |
| | | Canthatch | 14.1 | 83 | 14 | 2.0 | 65 | 1 Nor. | — |
| | | Selkirk | 13.7 | 81 | 13 | 3.0 | 63 | 1 Nor. | — |
| | | Pembina | 13.0 | 80 | 12 | 2.0 | 63 | 2 Nor. | S., T. |
| | | Lake | 17.3 | 83 | 16 | 4.0 | 64 | 1 Nor. | — |
| Necessary difference—1.27 bushels | | | | Rainfall—May to August—2.85 inches | | | | | |

| Dist. | Sub. Dist. | Varieties | Yield per acre | Days seeding | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-----------------------------------|------------|-----------|----------------|------------------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| JANET PEACOCK, BEAUFIELD | | | | | | | | | |
| 11 | 9 | Thatcher | 6.0 | 83 | 12 | 1.0 | 61 | 2 Nor. | S. |
| | | Canthatch | 6.2 | 83 | 12 | 1.3 | 62 | 2 Nor. | S. |
| | | Selkirk | 6.4 | 83 | 12 | 1.5 | 58 | 2 Nor. | S. |
| | | Pembina | 4.7 | 83 | 12 | 1.5 | 60 | 2 Nor. | S. |
| | | Lake | 5.0 | 85 | 18 | 1.0 | 60 | 2 Nor. | S. |
| Necessary difference—1.06 bushels | | | | Rainfall—May to August—3.71 inches | | | | | |

Wheat Pool District 11—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|----------------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| CLARENCE R. WARRINGTON, LOVERNA | | | | | | | | | |
| 11 | 10 | Thatcher | 11.2 | 88 | 10 | 1.0 | 63 | 1 Nor. | — |
| | | Canthatch | 11.0 | 89 | 14 | 1.0 | 63 | 1 Nor. | — |
| | | Selkirk | 12.8 | 91 | 12 | 1.0 | 61 | 2 Nor. | |
| | | Pembina | 9.4 | 95 | 13 | 1.0 | 62 | 2 Nor. | S. |
| | | Lake | 12.2 | 95 | 14 | 1.0 | 61 | 2 Nor. | S. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—3.92 inches | | | | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:
 11 2 Marilyn E. Billett, Plato

WHEAT POOL DISTRICT 12

| 12 | 1 | Thatcher | 10.8 | — | — | — | 63 | 1 Nor. | — |
|-----------------------------------|---|-----------|------|---|---|---|----|--------|----|
| | | Canthatch | 12.4 | — | — | — | 64 | 1 Nor. | — |
| | | Selkirk | 9.7 | — | — | — | 62 | 2 Nor. | S. |
| | | Pembina | 9.2 | — | — | — | 63 | 2 Nor. | T. |
| | | Lake | 12.5 | — | — | — | 64 | 1 Nor. | — |
| Yield differences not significant | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | |

| 12 | 2 | Thatcher | — | 85 | 22 | 1.8 | 62 | 2 Nor. | S. |
|-------------------------------------------|---|-----------|---|----|----|-----|----|--------|----|
| | | Canthatch | — | 84 | 21 | 1.5 | 62 | 2 Nor. | S. |
| | | Selkirk | — | 84 | 22 | 2.0 | 58 | 2 Nor. | S. |
| | | Pembina | — | 84 | 21 | 1.8 | 60 | 2 Nor. | S. |
| | | Lake | — | 86 | 21 | 1.8 | 61 | 2 Nor. | S. |
| Test damaged by birds—yields not reliable | | | | | | | | | |
| Rainfall—May to August—5.24 inches | | | | | | | | | |

| 12 | 4 | Thatcher | 13.7 | 78 | 17 | 1.0 | 62 | 2 Nor. | S. |
|------------------------------------|---|-----------|------|----|----|-----|----|--------|----|
| | | Canthatch | 12.8 | 78 | 17 | 1.0 | 63 | 2 Nor. | S. |
| | | Selkirk | 11.9 | 79 | 17 | 1.0 | 58 | 2 Nor. | S. |
| | | Pembina | 10.6 | 78 | 17 | 1.0 | 60 | 2 Nor. | S. |
| | | Lake | 10.6 | 83 | 18 | 1.0 | 62 | 2 Nor. | S. |
| Necessary difference—.94 bushels | | | | | | | | | |
| Rainfall—May to August—5.89 inches | | | | | | | | | |

| 12 | 5 | Thatcher | 23.8 | 90 | 24 | 1.0 | 64 | 1 Nor. | — |
|------------------------------------|---|-----------|------|----|----|-----|----|--------|----|
| | | Canthatch | 24.4 | 90 | 23 | 1.0 | 65 | 1 Nor. | — |
| | | Selkirk | 21.4 | 90 | 24 | 1.0 | 62 | 2 Nor. | S. |
| | | Pembina | 21.5 | 90 | 23 | 1.0 | 63 | 1 Nor. | — |
| | | Lake | 24.7 | 92 | 27 | 1.0 | 63 | 1 Nor. | — |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—5.67 inches | | | | | | | | | |

| 12 | 6 | Thatcher | 27.5 | 86 | 25 | 3.0 | 64 | 1 Nor. | — |
|------------------------------------|---|-----------|------|----|----|-----|----|--------|----|
| | | Canthatch | 29.6 | 86 | 26 | 1.0 | 64 | 1 Nor. | — |
| | | Selkirk | 23.8 | 86 | 25 | 4.0 | 62 | 2 Nor. | S. |
| | | Pembina | 22.5 | 86 | 23 | 2.0 | 63 | 2 Nor. | S. |
| | | Lake | 27.4 | 87 | 28 | 3.0 | 63 | 2 Nor. | S. |
| Necessary difference—4.77 bushels | | | | | | | | | |
| Rainfall—May to August—6.20 inches | | | | | | | | | |

| 12 | 8 | Thatcher | 35.9 | 97 | 24 | 2.0 | 65 | 1 Nor. | — |
|------------------------------------|---|-----------|------|-----|----|-----|----|--------|---|
| | | Canthatch | 41.2 | 97 | 24 | 2.0 | 65 | 1 Nor. | — |
| | | Selkirk | 33.5 | 97 | 24 | 2.0 | 63 | 1 Nor. | — |
| | | Pembina | 30.7 | 97 | 24 | 2.0 | 64 | 1 Nor. | — |
| | | Lake | 35.9 | 101 | 26 | 3.0 | 65 | 1 Nor. | — |
| Necessary difference—3.15 bushels | | | | | | | | | |
| Rainfall—May to August—8.22 inches | | | | | | | | | |

| 12 | 9 | Thatcher | 28.9 | — | 25 | 3.0 | 65 | 1 Nor. | — |
|------------------------------------|---|-----------|------|---|----|-----|----|--------|---|
| | | Canthatch | 28.3 | — | 25 | 3.0 | 65 | 1 Nor. | — |
| | | Selkirk | 26.0 | — | 26 | 2.0 | 63 | 1 Nor. | — |
| | | Pembina | 24.5 | — | 25 | 2.3 | 63 | 1 Nor. | — |
| | | Lake | 28.3 | — | 29 | 4.8 | 64 | 1 Nor. | — |
| Necessary difference—2.42 bushels | | | | | | | | | |
| Rainfall—May to August—6.12 inches | | | | | | | | | |

| 12 | 10 | Thatcher | 21.0 | 86 | 22 | 1.5 | 63 | 1 Nor. | — |
|------------------------------------|----|-----------|------|----|----|-----|----|--------|--------|
| | | Canthatch | 19.8 | 87 | 21 | 1.5 | 64 | 1 Nor. | — |
| | | Selkirk | 17.2 | 85 | 22 | 1.3 | 59 | 2 Nor. | |
| | | Pembina | 15.4 | 86 | 21 | 2.0 | 61 | 2 Nor. | S., T. |
| | | Lake | 17.0 | 91 | 19 | 1.5 | 62 | 2 Nor. | S. |
| Necessary difference—2.12 bushels | | | | | | | | | |
| Rainfall—May to August—5.05 inches | | | | | | | | | |

WHEAT POOL DISTRICT 13

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|----------------------------------------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| JAMES HIEBERT, BAY TRAIL | | | | | | | | | |
| 13 | 1 | Thatcher | 13.1 | 78 | 22 | 1.5 | 63 | 2 Nor. | S. |
| | | Canthatch | 13.7 | 72 | 22 | 1.0 | 64 | 1 Nor. | — |
| | | Selkirk | 13.5 | 71 | 21 | 1.3 | 61 | 2 Nor. | S. |
| | | Pembina | 9.9 | 69 | 19 | 1.5 | 62 | 2 Nor. | S. |
| | | Lake | 12.8 | 78 | 24 | 1.3 | 63 | 1 Nor. | — |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—3.01 inches | | | | | | | | | |
| JAMES F. BOECHLER, ALLAN | | | | | | | | | |
| 13 | 3 | Thatcher | 8.9 | — | 19 | 2.3 | 61 | 2 Nor. | S. |
| | | Canthatch | 8.3 | — | 18 | 3.0 | 62 | 2 Nor. | S. |
| | | Selkirk | 8.7 | — | 18 | 3.3 | 60 | 2 Nor. | S. |
| | | Pembina | 7.1 | — | 16 | 3.3 | 61 | 2 Nor. | S. |
| | | Lake | 7.9 | — | 21 | 3.3 | 61 | 2 Nor. | — |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—2.42 inches | | | | | | | | | |
| LINDA K. PAULSON, SASKATOON | | | | | | | | | |
| 13 | 4 | Thatcher | 14.0 | 79 | 20 | 4.3 | 61 | 2 Nor. | S. |
| | | Canthatch | 13.9 | 77 | 19 | 4.8 | 62 | 2 Nor. | S. |
| | | Selkirk | 12.1 | 79 | 19 | 3.0 | 59 | 2 Nor. | — |
| | | Pembina | 9.7 | 80 | 18 | 3.8 | 61 | 2 Nor. | S. |
| | | Lake | 13.0 | 79 | 19 | 4.0 | 61 | 2 Nor. | S. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—4.05 inches | | | | | | | | | |
| GEORGE A. WIENS JR., DALMENY | | | | | | | | | |
| 13 | 5 | Thatcher | 3.5 | 79 | 16 | 1.3 | 59 | 2 Nor. | S. |
| | | Canthatch | 4.0 | 80 | 15 | 2.0 | 60 | 2 Nor. | S. |
| | | Selkirk | 3.4 | 79 | 14 | 1.5 | 56 | 4 Nor. | — |
| | | Pembina | 3.6 | 80 | 15 | 1.3 | 58 | 2 Nor. | S. |
| | | Lake | 3.9 | 80 | 16 | 1.0 | 60 | 2 Nor. | S. |
| Test damaged by cattle—yields not included in district summary | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | |
| ANDY G. PEZDERIC, ASQUITH | | | | | | | | | |
| 13 | 6 | Thatcher | 17.0 | — | — | — | 60 | 2 Nor. | S. |
| | | Canthatch | 16.0 | — | — | — | 60 | 2 Nor. | S. |
| | | Selkirk | 17.2 | — | — | — | 58 | 2 Nor. | S. |
| | | Pembina | 14.9 | — | — | — | 60 | 2 Nor. | S. |
| | | Lake | 17.7 | — | — | — | 59 | 2 Nor. | S. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—4.27 inches | | | | | | | | | |
| VINCENT AND LEONARD SCHEIDL, WAKAW | | | | | | | | | |
| 13 | 9 | Thatcher | 27.0 | 81 | 20 | 1.0 | 63 | 1 Nor. | — |
| | | Canthatch | 25.8 | 82 | 21 | 2.0 | 64 | 1 Nor. | — |
| | | Selkirk | 21.5 | 83 | 20 | 2.0 | 63 | 1 Nor. | — |
| | | Pembina | 21.4 | 82 | 16 | 2.0 | 63 | 1 Nor. | — |
| | | Lake | 25.5 | 85 | 27 | 1.0 | 64 | 1 Nor. | — |
| Necessary difference—3.59 bushels | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | |
| DONALD JENKINS, HUMBOLDT | | | | | | | | | |
| 13 | 10 | Thatcher | 20.9 | 91 | 23 | 1.0 | 65 | 1 Nor. | — |
| | | Canthatch | 20.6 | 90 | 23 | 1.0 | 65 | 1 Nor. | — |
| | | Selkirk | 19.1 | 89 | 21 | 1.0 | 63 | 1 Nor. | — |
| | | Pembina | 18.2 | 88 | 22 | 1.0 | 65 | 1 Nor. | — |
| | | Lake | 19.0 | 95 | 27 | 1.0 | 64 | 1 Nor. | — |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—2.00 inches | | | | | | | | | |

WHEAT POOL DISTRICT 14

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-----------------------------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| RICHARD F. SELCH, KUROKI | | | | | | | | | |
| 14 | 1 | Thatcher | — | 91 | 27 | 2.0 | 65 | 1 Nor. | — |
| | | Canthatch | — | 91 | 28 | 2.8 | 64 | 1 Nor. | — |
| | | Selkirk | — | 91 | 27 | 1.3 | 63 | 2 Nor. | S. |
| | | Pembina | — | 90 | 27 | 2.5 | 64 | 1 Nor. | — |
| | | Lake | — | 92 | 29 | 2.3 | 63 | 2 Nor. | S. |
| Part of test damaged by animals—yields not reliable | | | | | | | | | |
| Rainfall—May to August—2.91 inches | | | | | | | | | |
| LORNE K. TYACKE, SILVER PARK | | | | | | | | | |
| 14 | 3 | Thatcher | 15.9 | — | — | — | 63 | 2 Nor. | St. |
| | | Canthatch | 16.3 | — | — | — | 64 | 1 Nor. | — |
| | | Selkirk | 16.1 | — | — | — | 62 | 2 Nor. | S. |
| | | Pembina | 13.1 | — | — | — | 63 | 2 Nor. | S. |
| | | Lake | 13.1 | — | — | — | 64 | 1 Nor. | — |
| Necessary difference—2.24 bushels | | | | | | | | | |
| Rainfall—May to August—2.97 inches | | | | | | | | | |

Wheat Pool District 14—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks | | | | | |
|-------------------------------------------------------------------------------|------------|--------------------------|---------------------|--------------------------|------------------------------------|----------------|--------------------------|-------------------|-----------------|--|--|--|--|--|
| GARRY W. HIRON, ROSE VALLEY | | | | | | | | | | | | | | |
| 14 | 4 | Thatcher | 18.0 | — | — | — | 63 | 2 Nor. | S. | | | | | |
| | | Canthatch | 17.3 | — | — | — | 64 | 1 Nor. | — | | | | | |
| | | Selkirk | 17.5 | — | — | — | 61 | 2 Nor. | S. | | | | | |
| | | Pembina | 15.9 | — | — | — | 61 | 2 Nor. | — | | | | | |
| | | Lake | 18.9 | — | — | — | 63 | 1 Nor. | — | | | | | |
| Yield differences not significant | | | | | Rainfall—May to August—2.40 inches | | | | | | | | | |
| ELAINE C. ADAM, NOBLEVILLE | | | | | | | | | | | | | | |
| 14 | 5 | Thatcher | 14.5 | 91 | 26 | 2.0 | 64 | 1 Nor. | — | | | | | |
| | | Canthatch | 16.8 | 93 | 24 | 1.8 | 64 | 1 Nor. | — | | | | | |
| | | Selkirk | 14.1 | 91 | 24 | 1.3 | 63 | 1 Nor. | — | | | | | |
| | | Pembina | 12.7 | 89 | 24 | 5.0 | 64 | 1 Nor. | — | | | | | |
| | | Lake | 15.1 | 97 | 28 | 1.0 | 64 | 1 Nor. | — | | | | | |
| Yield differences not significant | | | | | Rainfall—May to August—4.22 inches | | | | | | | | | |
| ROBERT R. ROVANSKY, PEESANE | | | | | | | | | | | | | | |
| 14 | 7 | Thatcher | — | — | 18 | 1.3 | 61 | 2 Nor. | B., S. | | | | | |
| | | Canthatch | — | — | 17 | 1.0 | 62 | 2 Nor. | B., S. | | | | | |
| | | Selkirk | — | — | 18 | 1.3 | 60 | 2 Nor. | B., S. | | | | | |
| | | Pembina | — | — | 16 | 1.0 | 61 | 2 Nor. | B., S. | | | | | |
| | | Lake | — | — | 19 | 1.0 | 62 | 2 Nor. | B., S. | | | | | |
| Test damaged by animals—yields not reliable | | | | | Rainfall—May to August—2.39 inches | | | | | | | | | |
| G. HARVEY HEAVIN, MELFORT | | | | | | | | | | | | | | |
| 14 | 8 | Thatcher | 21.6 | 89 | 28 | 2.0 | 64 | 1 Nor. | — | | | | | |
| | | Canthatch | 20.5 | 88 | 27 | 2.0 | 64 | 1 Nor. | — | | | | | |
| | | Selkirk | 18.0 | 89 | 26 | 2.5 | 62 | 2 Nor. | S. | | | | | |
| | | Pembina | 18.3 | 88 | 25 | 2.5 | 63 | 1 Nor. | S. | | | | | |
| | | Lake | 20.3 | 92 | 28 | 5.0 | 63 | 1 Nor. | S. | | | | | |
| Yield differences not significant | | | | | Rainfall—May to August—3.14 inches | | | | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | | | | | | |
| 14 | 10 | Melvin R. Barros, Carlea | | | | | | | | | | | | |

WHEAT POOL DISTRICT 15

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-----------------------------------------|------------|-----------|---------------------|--------------------------|------------------------------------|----------------|--------------------------|-------------------|-----------------|
| DENNIS BAUDAIS, DOMREMY | | | | | | | | | |
| 15 | 2 | Thatcher | 16.3 | 83 | 25 | 6.3 | 61 | 2 Nor. | B. |
| | | Canthatch | 14.3 | 82 | 24 | 5.0 | 62 | 2 Nor. | B. |
| | | Selkirk | 12.5 | 86 | 23 | 6.3 | 58 | 2 Nor. | — |
| | | Pembina | 13.0 | 82 | 23 | 7.0 | 60 | 2 Nor. | B. |
| | | Lake | 11.0 | 84 | 26 | 6.3 | 59 | 2 Nor. | B. |
| Yield differences not significant | | | | | Rainfall—May to August—3.24 inches | | | | |
| THEODORE PFEFFERLE, ROSTHERN | | | | | | | | | |
| 15 | 3 | Thatcher | 27.3 | — | 28 | — | 64 | 1 Nor. | — |
| | | Canthatch | 25.5 | — | 28 | — | 64 | 1 Nor. | — |
| | | Selkirk | 25.2 | — | 28 | — | 62 | 2 Nor. | S. |
| | | Pembina | 22.0 | — | 28 | — | 62 | 2 Nor. | S. |
| | | Lake | 24.8 | — | 28 | — | 64 | 1 Nor. | S. |
| Yield differences not significant | | | | | Rainfall—May to August—3.27 inches | | | | |
| DOUGLAS A. HAROLDSON, SHELL LAKE | | | | | | | | | |
| 15 | 6 | Thatcher | 27.9 | 88 | 27 | 2.5 | 63 | 1 Nor. | — |
| | | Canthatch | 28.3 | 94 | 26 | 2.0 | 64 | 1 Nor. | — |
| | | Selkirk | 25.4 | 95 | 26 | 2.5 | 63 | 1 Nor. | — |
| | | Pembina | 24.7 | 93 | 24 | 1.8 | 63 | 1 Nor. | — |
| | | Lake | 27.7 | 98 | 32 | 6.8 | 63 | 1 Nor. | — |
| Necessary difference—2.42 bushels | | | | | Rainfall—May to August—3.06 inches | | | | |
| WILLIAM H. BLOCK, SHELLBROOK | | | | | | | | | |
| 15 | 8 | Thatcher | 44.9 | — | 27 | — | 64 | 1 Nor. | — |
| | | Canthatch | 45.0 | — | 25 | — | 65 | 1 Nor. | — |
| | | Selkirk | 39.0 | — | 26 | — | 63 | 1 Nor. | — |
| | | Pembina | 38.7 | — | 25 | — | 64 | 1 Nor. | — |
| | | Lake | 36.0 | — | 29 | — | 64 | 1 Nor. | — |
| Necessary difference—4.45 bushels | | | | | Rainfall—May to August—4.51 inches | | | | |

Wheat Pool District 15—Continued

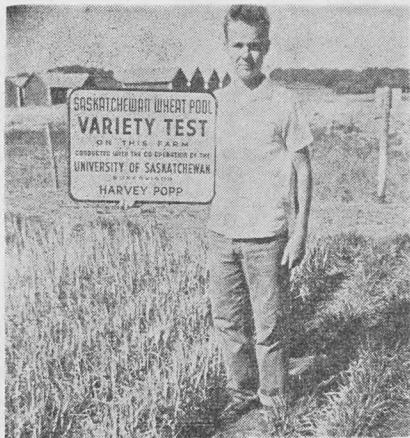
| Dist. | Sub. Dist. | Varieties | Yield per acre | Days bus. seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|---------------------------------------|------------|-----------|------------------------------------|-------------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| GARY C. BRANDON, WHITE STAR | | | | | | | | | |
| 15 | 9 | Thatcher | 26.2 | 87 | 28 | 1.3 | 65 | 1 Nor. | — |
| | | Canthatch | 28.3 | 87 | 29 | 1.0 | 63 | 1 Nor. | — |
| | | Selkirk | 22.1 | 87 | 29 | 1.0 | 64 | 1 Nor. | — |
| | | Pembina | 18.2 | 87 | 28 | 1.0 | 64 | 1 Nor. | — |
| | | Lake | 26.1 | 93 | 30 | 1.8 | 64 | 1 Nor. | — |
| Necessary difference—4.89 bushels | | | Rainfall—May to August—3.47 inches | | | | | | |
| RONALD W. TYCHOLIZ, MEATH PARK | | | | | | | | | |
| 15 | 10 | Thatcher | 11.8 | 89 | 20 | 1.3 | 65 | 1 Nor. | — |
| | | Canthatch | 11.0 | 90 | 19 | 2.3 | 65 | 1 Nor. | — |
| | | Selkirk | 9.5 | 89 | 18 | 1.8 | 63 | 1 Nor. | — |
| | | Pembina | 9.7 | 87 | 18 | 1.3 | 64 | 1 Nor. | — |
| | | Lake | 11.8 | 93 | 22 | 2.8 | 65 | 1 Nor. | — |
| Necessary difference—1.73 bushels | | | Rainfall—May to August—3.31 inches | | | | | | |

WHEAT POOL DISTRICT 16

| Dist. | Sub. Dist. | Varieties | Yield per acre | Days bus. seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|--------------------------------------------|------------|-----------|------------------------------------|-------------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| JOHN M. CLAIR, RADISSON | | | | | | | | | |
| 16 | 1 | Thatcher | 13.3 | 84 | 21 | 2.0 | 63 | 1 Nor. | — |
| | | Canthatch | 12.1 | 84 | 21 | 2.0 | 64 | 1 Nor. | — |
| | | Selkirk | 12.7 | 84 | 20 | 2.8 | 60 | 2 Nor. | — |
| | | Pembina | 10.9 | 84 | 20 | 2.0 | 61 | 2 Nor. | — |
| | | Lake | 12.9 | 84 | 23 | 2.3 | 63 | 1 Nor. | — |
| Yield differences not significant | | | Rainfall—May to August—2.27 inches | | | | | | |
| GORDON K. JACKSON, SPEERS | | | | | | | | | |
| 16 | 2 | Thatcher | 18.8 | 91 | 20 | 3.5 | 62 | 2 Nor. | S. |
| | | Canthatch | 19.5 | 91 | 19 | 3.0 | 63 | 1 Nor. | — |
| | | Selkirk | 18.8 | 91 | 20 | 2.0 | 59 | 2 Nor. | — |
| | | Pembina | 16.9 | 91 | 19 | 3.0 | 60 | 2 Nor. | S. |
| | | Lake | 17.9 | 94 | 20 | 2.3 | 63 | 1 Nor. | — |
| Yield differences not significant | | | Rainfall—May to August—2.81 inches | | | | | | |
| GREVILLE G. EDGELOW, CAVALIER | | | | | | | | | |
| 16 | 4 | Thatcher | 34.0 | 96 | 30 | 1.0 | 63 | 1 Nor. | — |
| | | Canthatch | 32.4 | 93 | 25 | 3.0 | 64 | 1 Nor. | — |
| | | Selkirk | 30.3 | 93 | 26 | 1.0 | 62 | 2 Nor. | S. |
| | | Pembina | 27.1 | 95 | 25 | 2.5 | 62 | 2 Nor. | — |
| | | Lake | 30.5 | 97 | 24 | 2.0 | 63 | 1 Nor. | — |
| Necessary difference—4.23 bushels | | | Rainfall—May to August—4.22 inches | | | | | | |
| C. TERRANCE TOWNLEY-SMITH, LASHBURN | | | | | | | | | |
| 16 | 6 | Thatcher | 31.6 | — | — | — | 61 | 2 Nor. | S. |
| | | Canthatch | 33.8 | — | — | — | 63 | 2 Nor. | S. |
| | | Selkirk | 32.3 | — | — | — | 60 | 2 Nor. | S. |
| | | Pembina | 25.2 | — | — | — | 62 | 2 Nor. | S. |
| | | Lake | 23.1 | — | — | — | 58 | 2 Nor. | S. |
| Necessary difference—5.62 bushels | | | Rainfall—May to August—6.94 inches | | | | | | |
| JOE R. C. ROTHERY, PARADISE HILL | | | | | | | | | |
| 16 | 7 | Thatcher | 30.9 | 93 | 33 | 1.0 | 62 | 1 Nor. | — |
| | | Canthatch | 32.7 | 93 | 30 | 1.0 | 63 | 1 Nor. | — |
| | | Selkirk | 31.5 | 93 | 29 | 1.0 | 60 | 2 Nor. | S. |
| | | Pembina | 28.8 | 91 | 29 | 3.0 | 62 | 2 Nor. | — |
| | | Lake | 28.4 | 96 | 35 | 1.0 | 61 | 2 Nor. | S. |
| Necessary difference—2.36 bushels | | | Rainfall—May to August—4.85 inches | | | | | | |
| MURIEL McCONNELL, GLASLYN | | | | | | | | | |
| 16 | 9 | Thatcher | 7.4 | 94 | 20 | 1.0 | 65 | 1 Nor. | — |
| | | Canthatch | 6.2 | 96 | 20 | 1.0 | 65 | 1 Nor. | — |
| | | Selkirk | 6.0 | 93 | 20 | 1.0 | 64 | 1 Nor. | — |
| | | Pembina | 6.1 | 93 | 20 | 1.0 | 65 | 1 Nor. | — |
| | | Lake | 6.2 | 95 | 20 | 1.0 | 64 | 1 Nor. | — |
| Yield differences not significant | | | Rainfall—May to August—3.19 inches | | | | | | |

Wheat Pool District 16—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-------------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| HILDA C. TOEWS, MAYFAIR | | | | | | | | | |
| 16 | 10 | Thatcher | 10.1 | 81 | 18 | 1.0 | 63 | 1 Nor. | — |
| | | Canthatch | 12.2 | 79 | 19 | 1.0 | 64 | 1 Nor. | — |
| | | Selkirk | 11.5 | 79 | 18 | 1.0 | 62 | 1 Nor. | — |
| | | Pembina | 9.7 | 79 | 19 | 1.0 | 62 | 2 Nor. | T. |
| | | Lake | 11.5 | 85 | 17 | 1.0 | 63 | 1 Nor. | — |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—2.61 inches | | | | | | | | | |
| FRANCIS L. ARLETT, LOON LAKE | | | | | | | | | |
| 16 | 11 | Thatcher | 24.7 | 108 | 31 | 1.0 | 65 | 1 Nor. | — |
| | | Canthatch | 27.6 | 108 | 30 | 1.0 | 65 | 1 Nor. | — |
| | | Selkirk | 30.1 | 100 | 31 | 1.0 | 64 | 1 Nor. | — |
| | | Pembina | 20.5 | 100 | 29 | 1.0 | 65 | 1 Nor. | — |
| | | Lake | 23.2 | 105 | 33 | 1.0 | 65 | 1 Nor. | — |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—9.64 inches | | | | | | | | | |



Like many 1961 tests, Harvey Popp's barley test was very short.



Dr. E. N. Larter of the University of Saskatchewan discussed barley breeding with a group of supervisors who visited the university.

OAT TESTS

A total of 79 oat tests were seeded in 1961. Each test contained the five varieties Garry, Rodney, Exeter, Glen and Russell.

DESCRIPTION OF VARIETIES

Garry was developed by the Canada Department of Agriculture at Winnipeg. It is resistant to all races of rust now prevalent, and to loose and covered smut. Garry has strong straw and is medium early in maturity.

Rodney was developed by the Canada Department of Agriculture at Winnipeg. It is late maturing and has medium tall, strong straw. It has fair resistance to stem and crown rust and good resistance to smut. It has large, plump kernels which tend to peel in threshing.

Exeter was developed by the Canada Department of Agriculture at Winnipeg. It is a late maturing variety with mid-tall, mid-strong straw. It is susceptible to smut, to some races of stem rust and to crown rust.

Glen was developed at Macdonald College, Quebec from a cross between Ajax and Roxton. It is early maturing and has medium-long, medium-strong straw. It is moderately resistant to stem and crown rust and to covered smut, but susceptible to loose smut.

Russell was developed by the Canada Department of Agriculture in Ontario and licensed for commercial distribution in 1960. It is medium-early in maturity and has medium-short, strong straw. It is resistant to stem and crown rust and to smut.

PERFORMANCE OF VARIETIES

TABLE No. 9—AVERAGE YIELD IN BUSHELS PER ACRE—
SUMMARIZED BY DISTRICTS

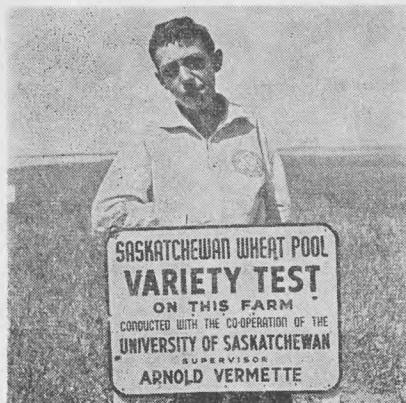
| Districts** | No. of Satisfactory Tests | Garry | Rodney | Exeter | Glen | Russell | Necessary Difference* in Bushels |
|-------------|---------------------------|-------|--------|--------|------|---------|----------------------------------|
| District 1 | 1 | 21.3 | 20.7 | 20.8 | 19.9 | 11.8 | 5.57 |
| District 2 | 1 | 15.1 | 10.7 | 14.8 | 16.3 | 8.8 | 5.04 |
| District 3 | 3 | 23.6 | 18.6 | 15.5 | 23.7 | 17.7 | 2.62 |
| District 4 | 3 | 40.2 | 31.1 | 40.6 | 44.5 | 38.4 | N.S. |
| District 5 | 2 | 18.8 | 16.0 | 16.2 | 22.8 | 20.4 | N.S. |
| District 6 | 2 | 26.3 | 25.8 | 25.6 | 29.9 | 25.1 | N.S. |
| District 7 | 2 | 13.9 | 12.9 | 15.6 | 16.2 | 11.5 | N.S. |
| District 8 | 5 | 36.9 | 39.6 | 45.1 | 44.3 | 32.9 | 2.86 |
| District 9 | 3 | 33.6 | 38.0 | 37.1 | 34.0 | 27.9 | 3.29 |
| District 10 | 3 | 28.0 | 25.4 | 26.1 | 27.1 | 26.2 | N.S. |
| District 11 | 1 | 30.6 | 27.9 | 32.3 | 31.0 | 31.8 | N.S. |
| District 12 | 3 | 38.4 | 36.5 | 37.9 | 38.6 | 35.7 | N.S. |
| District 13 | 4 | 32.7 | 28.3 | 34.4 | 35.8 | 30.9 | 1.69 |
| District 14 | 6 | 36.4 | 33.7 | 36.3 | 35.9 | 32.4 | 3.12 |
| District 15 | 5 | 40.6 | 39.7 | 43.8 | 42.9 | 38.0 | N.S. |
| District 16 | 8 | 46.7 | 44.3 | 48.8 | 49.0 | 39.0 | 2.06 |

***Necessary Difference**—Since yielding ability of varieties cannot be measured with absolute accuracy small differences have no significance. "Necessary Difference" is a statistical measurement of this difference. Unless the difference in yield of two varieties is greater than the necessary difference as shown in the tables, little confidence can be placed in the superiority of one variety over the other in that particular area.

N.S.—Yield differences not significant.

**See map, page 5.

Table No. 9. Glen yielded well throughout most of the province in 1961, placing first or second in nearly all Wheat Pool districts. On an average basis Exeter placed second, followed by Garry and Rodney in that order. In most districts Russell was outyielded by the other four varieties tested. When comparing these varieties it should be kept in mind that in 1961 there was little or no rust in any area of the province. Where rust may be expected to occur only resistant varieties such as Garry and Russell should be grown. Rodney is a suitable second choice for rust conditions although it is not resistant to as many races as the other two varieties.



Arnold Vermette placed his sign along the road close to his test at Elrose.



Douglas Seidlitz stands in front of his barley test at Richardson.

TABLE No. 10—AVERAGE NUMBER OF DAYS FROM SEEDING TO RIPENING
SUMMARIZED BY DISTRICTS

| District | Garry | Rodney | Exeter | Glen | Russell |
|-------------|-------|--------|--------|------|---------|
| District 1 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| District 2 | 78.0 | 81.0 | 81.0 | 80.0 | 80.0 |
| District 3 | 85.0 | 83.0 | 84.0 | 82.5 | 85.5 |
| District 4 | 77.0 | 78.0 | 78.0 | 76.0 | 77.5 |
| District 5 | 74.0 | 76.0 | 77.0 | 70.0 | 72.0 |
| District 6 | 77.3 | 78.3 | 79.0 | 76.7 | 78.0 |
| District 7 | 78.0 | 76.0 | 80.0 | 73.0 | 80.0 |
| District 8 | 85.0 | 86.3 | 84.7 | 84.0 | 84.7 |
| District 9 | 74.0 | 77.5 | 77.0 | 74.0 | 77.0 |
| District 10 | 75.0 | 74.0 | 76.0 | 75.0 | 75.0 |
| District 11 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| District 12 | 86.5 | 88.5 | 88.5 | 85.0 | 86.5 |
| District 13 | 82.8 | 83.5 | 83.5 | 82.5 | 82.8 |
| District 14 | 84.0 | 85.5 | 86.5 | 83.5 | 84.0 |
| District 15 | 84.3 | 85.3 | 84.0 | 82.7 | 83.0 |
| District 16 | 88.3 | 88.8 | 89.5 | 88.0 | 89.2 |

Table No. 10. Early maturity is an important factor where early fall frosts are likely to occur. Under drought conditions an early maturing variety may suffer less from heat than does a later maturing variety. Of the five varieties tested **Glen** was consistently earlier than the other four. **Garry** was second earliest on an average basis. **Russell**, **Rodney** and **Exeter** matured in that order on an average basis, although there was little difference in maturity among these three.

TABLE No. 11—AVERAGE HEIGHT OF PLANTS IN INCHES—
SUMMARIZED BY DISTRICTS

| District | Garry | Rodney | Exeter | Glen | Russell |
|-------------|-------|--------|--------|------|---------|
| District 1 | 21.0 | 21.0 | 21.0 | 20.0 | 18.0 |
| District 2 | 20.0 | 19.0 | 22.0 | 20.0 | 21.0 |
| District 3 | 22.0 | 18.0 | 19.0 | 19.0 | 16.5 |
| District 4 | 30.5 | 29.5 | 30.0 | 29.0 | 28.5 |
| District 5 | 24.5 | 23.0 | 22.5 | 22.5 | 21.0 |
| District 6 | 23.3 | 21.3 | 22.3 | 22.3 | 21.3 |
| District 7 | 26.0 | 25.0 | 23.0 | 22.0 | 22.0 |
| District 8 | 25.8 | 25.0 | 23.8 | 24.5 | 22.8 |
| District 9 | 26.3 | 25.7 | 24.7 | 24.0 | 22.7 |
| District 10 | 18.7 | 17.7 | 17.7 | 18.0 | 16.3 |
| District 11 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| District 12 | 29.3 | 27.3 | 28.0 | 27.0 | 23.7 |
| District 13 | 25.8 | 25.5 | 25.0 | 25.3 | 21.8 |
| District 14 | 31.4 | 31.4 | 31.0 | 30.8 | 29.6 |
| District 15 | 24.0 | 24.0 | 23.8 | 23.8 | 21.0 |
| District 16 | 32.0 | 31.7 | 30.9 | 31.7 | 29.3 |

Table No. 11. Length of straw is an important characteristic in oats because this crop tends to lodge in the field under adverse weather conditions. In this regard, however, straw strength as well as length must be considered. Of the five varieties tested **Russell** was consistently shorter than the others. On an average basis **Glen** was second shortest, while **Exeter** and **Rodney** ranked third and fourth respectively. **Garry** was generally somewhat taller than the other varieties tested.

**TABLE No. 12—AVERAGE STRAW STRENGTH OF PLANTS ON THE BASIS
1 (Strong) to 9 (Weak)
SUMMARIZED BY AREAS**

| District | Garry | Rodney | Exeter | Glen | Russell |
|-------------|-------|--------|--------|------|---------|
| District 1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| District 2 | — | — | — | — | — |
| District 3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| District 4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| District 5 | 2.0 | 1.7 | 1.7 | 1.9 | 2.3 |
| District 6 | 1.5 | 2.4 | 3.1 | 2.2 | 2.8 |
| District 7 | 1.8 | 1.3 | 2.3 | 3.0 | 2.8 |
| District 8 | 1.5 | 1.7 | 2.2 | 1.4 | 1.3 |
| District 9 | 2.5 | 1.7 | 1.7 | 2.0 | 3.2 |
| District 10 | 3.1 | 2.3 | 2.2 | 3.3 | 2.0 |
| District 11 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| District 12 | 1.5 | 1.5 | 1.5 | 2.5 | 1.5 |
| District 13 | 2.5 | 2.7 | 2.9 | 2.7 | 1.9 |
| District 14 | 2.8 | 2.6 | 2.3 | 2.4 | 2.6 |
| District 15 | 2.0 | 2.0 | 2.2 | 2.2 | 2.4 |
| District 16 | 1.8 | 1.7 | 3.3 | 1.9 | 2.1 |

Table No. 12. In most areas of the province growth was quite short in 1961, and harvest weather was very favorable so there was no evidence of straw weakness in these tests. On an average basis the five varieties ranked in the following order with regard to straw strength: **Rodney**, **Garry**, **Exeter**, **Russell**, **Glen**.

**TABLE No. 13—AVERAGE WEIGHT PER MEASURED BUSHEL—
SUMMARIZED BY DISTRICTS**

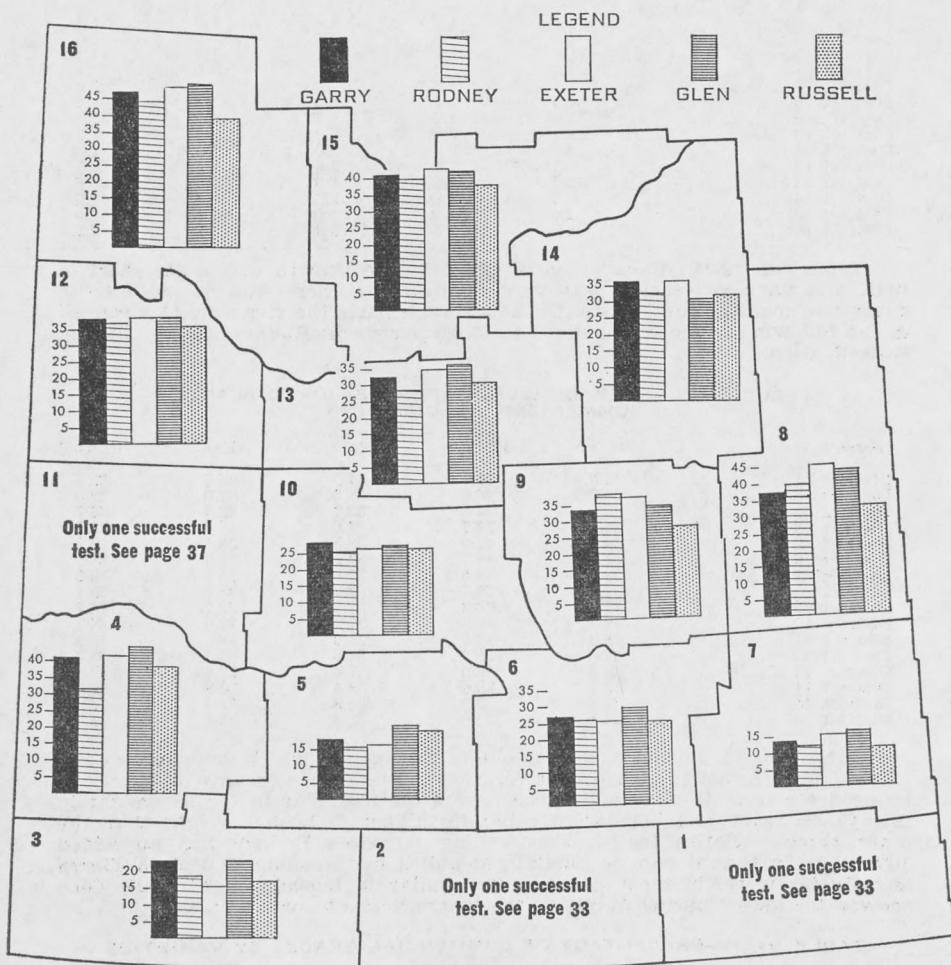
| District | Garry | Rodney | Exeter | Glen | Russell |
|-------------|-------|--------|--------|------|---------|
| District 1 | 34.0 | 34.0 | 34.0 | 33.0 | 35.0 |
| District 2 | 38.5 | 40.5 | 38.0 | 37.0 | 39.0 |
| District 3 | 33.7 | 36.3 | 32.7 | 32.3 | 36.7 |
| District 4 | 37.0 | 37.7 | 36.0 | 35.7 | 38.7 |
| District 5 | 39.5 | 41.0 | 38.5 | 36.5 | 40.0 |
| District 6 | 37.3 | 38.7 | 37.3 | 37.0 | 38.3 |
| District 7 | 36.5 | 38.5 | 37.0 | 35.0 | 39.0 |
| District 8 | 37.8 | 39.7 | 38.7 | 38.0 | 39.7 |
| District 9 | 39.7 | 40.3 | 38.3 | 38.7 | 40.7 |
| District 10 | 39.0 | 40.3 | 37.3 | 36.0 | 38.7 |
| District 11 | 39.0 | 40.0 | 39.0 | 38.0 | 40.0 |
| District 12 | 38.0 | 39.3 | 38.0 | 37.7 | 39.3 |
| District 13 | 38.2 | 40.0 | 37.6 | 37.4 | 39.8 |
| District 14 | 38.1 | 39.6 | 38.4 | 36.9 | 39.1 |
| District 15 | 37.6 | 39.0 | 33.6 | 37.4 | 39.2 |
| District 16 | 38.9 | 39.0 | 38.6 | 38.1 | 39.5 |

Table No. 13. Bushel weight is one of the factors which determines commercial grades and is also a consideration in the choice of an oat variety to be used for feed. **Rodney** and **Russell** were quite similar in bushel weight in this year's tests, and both were generally higher in bushel weight than the other three varieties tested. For feeding purposes **Rodney** has an added advantage in that it can be partially dehulled in threshing if desired. **Garry** and **Exeter** were, in most cases, quite similar in bushel weight while **Glen** showed the lowest bushel weight of the five varieties tested.

TABLE No. 14—PERCENTAGE OF COMMERCIAL GRADES BY VARIETIES

| Variety | 1 C.W. % | 2 C.W. % | 3 C.W. % | Ex. 1 Feed % | | | 2 Feed % | 3 Feed % |
|---------|-------------|-------------|-------------|--------------------|-------------|-------------|-------------|-------------|
| | | | | 1 Feed % | 1 Feed % | 2 Feed % | | |
| Garry | 10.3 | 27.6 | 36.2 | 5.2 | 19.0 | 1.7 | — | — |
| Rodney | — | 27.6 | 38.0 | 17.2 | 13.8 | 3.4 | — | — |
| Exeter | 5.2 | 13.8 | 39.7 | 8.6 | 29.3 | 1.7 | 1.7 | 1.7 |
| Glen | 10.3 | 24.2 | 29.4 | 10.3 | 24.1 | — | 1.7 | 1.7 |
| Russell | 17.2 | 34.5 | 17.3 | 15.5 | 13.8 | 1.7 | — | — |

Table No. 14. Weather conditions in 1961 caused uneven germination and late stooling in many tests. As a result many oat samples contained green kernels which caused them to be degraded. Of the five varieties tested, Garry graded well with 74.1 per cent of the samples falling in the C.W. grades. Russell ranked second with 69.0 per cent of the samples falling in these grades. Rodney, with 65.6 per cent, and Glen with 63.9 per cent of the samples in the top three grades, were reasonably similar. Exeter graded slightly lower than the other four varieties with 58.7 per cent of the samples falling in the C.W. grades.



GRAPHS SHOWING OAT YIELDS IN 1961

TABLE No. 15

INDIVIDUAL SUMMARIZED RESULTS OF ALL TESTS—OATS

The results of all successful oats tests are shown individually in the following table. The tests are listed in order of Wheat Pool districts and sub-districts. Before consulting the following table the reader is advised to refer to the discussion on page 5, headed, "Facts To Be Remembered in Reading Results."

Important—It should be kept in mind that the results of a single test should not be used as the basis for the choice of a variety. A more reliable guide is the discussion on a district basis which notes the performance of the same varieties in a large number of tests.

For an explanation of the abbreviations under "Grading Remarks", see Page 7.

WHEAT POOL DISTRICT 1

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-------------------------------------------------------------------------------|------------|--------------------------|------------------------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| ROBERT G. BENNETT, ARCOLA | | | | | | | | | |
| 1 | 9 | Garry | 21.3 | 71 | 21 | 1.0 | 34 | 1 Fd. | G. |
| | | Rodney | 20.7 | 71 | 21 | 1.0 | 34 | 1 Fd. | G. |
| | | Exeter | 20.8 | 71 | 21 | 1.0 | 34 | 1 Fd. | G. |
| | | Glen | 19.9 | 71 | 20 | 1.0 | 33 | 2 Fd. | G. |
| | | Russell | 11.8 | 71 | 18 | 1.0 | 35 | 1 Fd. | G. |
| Necessary difference—5.57 bushels | | | Rainfall—May to August—3.67 inches | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 1 | 1 | Bruce F. Porter, Carduff | — | — | — | — | — | — | — |
| 1 | 5 | Donald F. Mack, Estevan | — | — | — | — | — | — | — |
| 1 | 10 | Gerald F. Weber, Arcola | — | — | — | — | — | — | — |

WHEAT POOL DISTRICT 2

| GORDON G. BRADLEY, WILLOW BUNCH | | | | | | | | | |
|------------------------------------------|---|---------|---|------------------------------------|---|---|-----|------|-----|
| 2 | 4 | Garry | — | — | — | — | 39 | 3 CW | G. |
| | | Rodney | — | — | — | — | 41 | 2 CW | — |
| | | Exeter | — | — | — | — | 39 | 3 CW | G. |
| | | Glen | — | — | — | — | 37 | 2 CW | G. |
| | | Russell | — | — | — | — | 40 | 2 CW | G. |
| Part of test damaged—yields not reliable | | | | Rainfall record incomplete | | | | | |
| DENNIS R. McGOWAN, KILLDEER | | | | | | | | | |
| 2 | 5 | Garry | — | — | — | — | 36 | 2 CW | — |
| | | Rodney | — | — | — | — | (A) | 2 CW | (E) |
| | | Exeter | — | — | — | — | (A) | 2 CW | — |
| | | Glen | — | — | — | — | 36 | 2 CW | — |
| | | Russell | — | — | — | — | 39 | 1 CW | — |
| Part of test damaged—yields not reliable | | | | Rainfall—May to August—4.00 inches | | | | | |

| JAMES F. WEBB, AMULET | | | | | | | | | |
|-------------------------------------------------------------------------------|----|--------------------------------|------|------------------------------------|----|---|----|------|----|
| 2 | 10 | Garry | 15.1 | 78 | 20 | — | 38 | 2 CW | G. |
| | | Rodney | 10.7 | 81 | 19 | — | 40 | 2 CW | G. |
| | | Exeter | 14.8 | 81 | 22 | — | 37 | 3 CW | G. |
| | | Glen | 16.3 | 80 | 20 | — | 37 | 2 CW | — |
| | | Russell | 8.8 | 80 | 21 | — | 38 | 3 CW | G. |
| Necessary difference 5.04 bushels | | | | Rainfall—May to August—3.42 inches | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 2 | 1 | Daniel D. Bellavance, Radville | — | — | — | — | — | — | — |
| 2 | 9 | Blair T. Knudsen, Glasnevin | — | — | — | — | — | — | — |

WHEAT POOL DISTRICT 3

| RONALD J. STENGLER, MANKOTA | | | | | | | | | |
|-----------------------------------|---|---------|------|------------------------------------|---|---|----|------|----|
| 3 | 1 | Garry | 26.2 | — | — | — | 39 | 2 CW | G. |
| | | Rodney | 17.7 | — | — | — | 40 | 3 CW | G. |
| | | Exeter | 21.3 | — | — | — | 37 | 3 CW | G. |
| | | Glen | 22.6 | — | — | — | 36 | 3 CW | G. |
| | | Russell | 21.5 | — | — | — | 39 | 2 CW | G. |
| Yield differences not significant | | | | Rainfall—May to August—2.36 inches | | | | | |

Wheat Pool District 3—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|-----------------------------------|------------|-----------|------------------------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| GREGORY J. HONEY, BRACKEN | | | | | | | | | |
| 3 | 3 | Garry | 29.4 | 92 | 30 | 1.0 | 34 | 3 CW | — |
| | | Rodney | 26.0 | 88 | 24 | 1.0 | 37 | 3 CW | G. |
| | | Exeter | 14.2 | 90 | 26 | 1.0 | 34 | 3 CW | — |
| | | Glen | 36.3 | 87 | 25 | 1.0 | 34 | 3 CW | — |
| | | Russell | 16.2 | 93 | 23 | 1.0 | 38 | 1 CW | — |
| Necessary difference—5.93 bushels | | | Rainfall—May to August—4.34 inches | | | | | | |
| ALAN R. DUMONTEL, DIVIDE | | | | | | | | | |
| 3 | 4 | Garry | 15.1 | 78 | 14 | — | 28 | 2 Fd. | — |
| | | Rodney | 12.2 | 78 | 12 | — | 32 | 2 Fd. | — |
| | | Exeter | 11.1 | 78 | 12 | — | 27 | 3 Fd. | — |
| | | Glen | 12.2 | 78 | 13 | — | 27 | 3 Fd. | — |
| | | Russell | 15.5 | 78 | 10 | — | 33 | 2 Fd. | — |
| Necessary difference—1.67 bushels | | | Rainfall—May to August—3.21 inches | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

3 6 Donald Koenig, Ravenscrag

3 9 Jerome F. Wernicke, Cadillac

WHEAT POOL DISTRICT 4

| GERALD R. MILLER, WEBB | | | | | | | | | |
|-----------------------------------|---|---------|------------------------------------|----|----|-----|----|-------|----|
| 4 | 4 | Garry | 22.9 | — | — | — | 38 | 1 CW | — |
| | | Rodney | 15.5 | — | — | — | 39 | 3 CW | G. |
| | | Exeter | 23.8 | — | — | — | 37 | 3 CW | — |
| | | Glen | 32.7 | — | — | — | 35 | 3 CW | G. |
| | | Russell | 27.4 | — | — | — | 39 | 1 CW | — |
| Necessary difference—4.48 bushels | | | Rainfall record incomplete | | | | | | |
| GREGORY SORENSEN, CABRI | | | | | | | | | |
| 4 | 5 | Garry | 28.6 | 81 | 24 | 1.0 | 39 | 1 CW | — |
| | | Rodney | 15.4 | 83 | 24 | 1.0 | 40 | 2 CW | G. |
| | | Exeter | 23.5 | 83 | 24 | 1.0 | 39 | 1 CW | — |
| | | Glen | 31.0 | 79 | 24 | 1.0 | 38 | 1 CW | — |
| | | Russell | 25.5 | 81 | 24 | 1.0 | 41 | 1 CW | — |
| Necessary difference—5.24 bushels | | | Rainfall—May to August—5.44 inches | | | | | | |
| RONALD MOSER, BURSTALL | | | | | | | | | |
| 4 | 8 | Garry | 69.1 | 73 | 37 | — | 34 | 1 Fd. | — |
| | | Rodney | 62.4 | 73 | 35 | — | 34 | 1 Fd. | — |
| | | Exeter | 74.6 | 73 | 36 | — | 32 | 2 Fd. | — |
| | | Glen | 69.9 | 73 | 34 | — | 34 | 1 Fd. | G. |
| | | Russell | 62.4 | 74 | 33 | — | 36 | 1 Fd. | G. |
| Yield differences not significant | | | Rainfall—May to August—2.70 inches | | | | | | |

WHEAT POOL DISTRICT 5

| ROBERT DUCKWORTH, COURVAL | | | | | | | | | |
|-----------------------------------|---|---------|------------------------------------|----|----|-----|----|-----------|----|
| 5 | 6 | Garry | 18.0 | 74 | 23 | 1.5 | 39 | 3 CW | G. |
| | | Rodney | 13.9 | 76 | 21 | 1.0 | 41 | 3 CW | G. |
| | | Exeter | 12.9 | 77 | 19 | 1.0 | 37 | Ex. 1 Fd. | — |
| | | Glen | 22.1 | 70 | 20 | 1.0 | 34 | 1 Fd. | — |
| | | Russell | 20.3 | 72 | 20 | 1.3 | 40 | 2 CW | G. |
| Necessary difference—2.82 bushels | | | Rainfall record incomplete | | | | | | |
| DARLENE G. NELSON, AQUADELL | | | | | | | | | |
| 5 | 9 | Garry | 19.5 | — | 26 | 2.5 | 40 | 2 CW | G. |
| | | Rodney | 18.0 | — | 25 | 2.3 | 41 | 2 CW | G. |
| | | Exeter | 19.5 | — | 26 | 2.3 | 40 | 3 CW | G. |
| | | Glen | 23.9 | — | 25 | 2.8 | 39 | 3 CW | G. |
| | | Russell | 20.4 | — | 22 | 3.3 | 40 | 2 CW | G. |
| Yield differences not significant | | | Rainfall—May to August—2.43 inches | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

5 2 Terry E. Brown, Bateman

5 8 E. Wayne Knarr, Eskbank

WHEAT POOL DISTRICT 6

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|-------------------------------------------------------|---------------|-----------|---------------------------|------------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| RONALD H. SANDERSON, AVONLEA | | | | | | | | | |
| 6 | 4 | Garry | 26.9 | 79 | 19 | 2.5 | 40 | 1 CW | |
| | | Rodney | 23.8 | 78 | 19 | 3.0 | 41 | 2 CW | G. |
| | | Exeter | 28.3 | 79 | 18 | 4.3 | 40 | 2 CW | G. |
| | | Glen | 29.4 | 76 | 19 | 3.5 | 38 | 1 CW | |
| | | Russell | 19.5 | 78 | 19 | 4.0 | 39 | 1 CW | |
| Test damaged. Yields not included in district summary | | | | Rainfall—May to August—3.67 inches | | | | | |

CHRISTOPHER R. HALE, PITMAN

| | | | | | | | | | |
|------------------------------------|---|---------|------|------------------------------------|----|-----|----|-------|----|
| 6 | 6 | Garry | 17.6 | 72 | 21 | 1.0 | 34 | 1 Fd. | G. |
| | | Rodney | 17.4 | 74 | 16 | 1.0 | 36 | 1 Fd. | G. |
| | | Exeter | 18.0 | 74 | 21 | 1.0 | 35 | 1 Fd. | G. |
| | | Glen | 20.7 | 74 | 20 | 1.0 | 35 | 1 Fd. | G. |
| | | Russell | 17.1 | 74 | 18 | 1.0 | 36 | 1 Fd. | G. |
| Necessary differences 1.80 bushels | | | | Rainfall—May to August—4.91 inches | | | | | |

BONNY LYNNE GIBBONS, GILLESPIE

| | | | | | | | | | |
|------------------------------------|---|---------|------|------------------------------------|----|-----|----|------|----|
| 6 | 9 | Garry | 35.0 | 81 | 30 | 1.0 | 38 | 2 CW | G. |
| | | Rodney | 34.1 | 83 | 29 | 3.3 | 39 | 2 CW | G. |
| | | Exeter | 33.1 | 84 | 28 | 4.0 | 37 | 3 CW | G. |
| | | Glen | 39.0 | 80 | 28 | 2.0 | 38 | 1 CW | |
| | | Russell | 33.1 | 82 | 27 | 3.5 | 40 | 1 CW | |
| Necessary differences 3.88 bushels | | | | Rainfall—May to August—1.85 inches | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

6 5 Gary E. McKenzie, Belbeck

WHEAT POOL DISTRICT 7

| | | | | | | | | | |
|-----------------------------------|---|---------|---------------------------|----------------------------|----|-----|----|-----------|----|
| | | | JAMES A. CAIRNS, LANGBANK | | | | | | |
| 7 | 3 | Garry | 20.1 | 78 | 26 | 1.8 | 37 | 3 CW | G. |
| | | Rodney | 20.7 | 76 | 25 | 1.3 | 41 | 3 CW | G. |
| | | Exeter | 22.6 | 80 | 23 | 2.3 | 37 | 3 CW | G. |
| | | Glen | 20.1 | 73 | 22 | 3.0 | 36 | 2 CW | G. |
| | | Russell | 17.2 | 80 | 22 | 2.8 | 39 | Ex. 1 Fd. | G. |
| Yield differences not significant | | | | Rainfall record incomplete | | | | | |

ANGELA BRUCH, KILLALY

| | | | | | | | | | |
|-----------------------------------|----|---------|------|----------------------------|---|---|----|------|----|
| 7 | 11 | Garry | 7.7 | — | — | — | 36 | 3 CW | G. |
| | | Rodney | 5.0 | — | — | — | 36 | 3 CW | G. |
| | | Exeter | 8.5 | — | — | — | 37 | 3 CW | G. |
| | | Glen | 12.2 | — | — | — | 34 | 3 CW | G. |
| | | Russell | 5.7 | — | — | — | 39 | 2 CW | G. |
| Necessary difference—1.30 bushels | | | | Rainfall record incomplete | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

7 1 C. Orville Fisk, Kelso
7 9 V. Clifton Hinrikson, Spy Hill
7 10 George E. Ohnander, Jr., Stockholm

WHEAT POOL DISTRICT 8

| | | | | | | | | | |
|-------------------------------------------------------------------------|---|---------|--------------------------------|------------------------------------|----|-----|----|-----------|----|
| | | | JAMES R. F. TOMKINS, SALTCOATS | | | | | | |
| 8 | 2 | Garry | 21.6 | — | 21 | 1.8 | 36 | 1 Fd. | G. |
| | | Rodney | 19.9 | — | 23 | 1.3 | 38 | Ex. 1 Fd. | G. |
| | | Exeter | 22.4 | — | 21 | 1.3 | 37 | 1 Fd. | G. |
| | | Glen | 25.3 | — | 19 | 1.3 | 38 | Ex. 1 Fd. | G. |
| | | Russell | 17.2 | — | 22 | 1.5 | 38 | Ex. 1 Fd. | G. |
| Part of test damaged by animals—yields not included in district summary | | | | Rainfall—May to August—2.48 inches | | | | | |

Wheat Pool District 8—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|----------------------------------------------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| HAROLD P. LUCASH, VERIGIN | | | | | | | | | |
| 8 | 5 | Garry | 32.9 | 82 | 25 | 1.0 | 39 | 2 CW | G. |
| | | Rodney | 28.9 | 86 | 22 | 3.0 | 41 | 2 CW | G. |
| | | Exeter | 32.2 | 82 | 21 | 2.0 | 40 | 1 CW | — |
| | | Glen | 31.9 | 83 | 22 | 1.0 | 38 | 2 CW | G. |
| | | Russell | 27.5 | 81 | 19 | 1.0 | 41 | 2 CW | G. |
| Yield differences not significant Rainfall—May to August—2.52 inches | | | | | | | | | |

| EDWIN PASLOSKI, RAMA | | | | | | | | | |
|----------------------------------------------------------------------|---|---------|------|---|---|---|----|------|----|
| 8 | 7 | Garry | 17.1 | — | — | — | 39 | 3 CW | G. |
| | | Rodney | 16.9 | — | — | — | 42 | 3 CW | G. |
| | | Exeter | 20.8 | — | — | — | 39 | 3 CW | G. |
| | | Glen | 22.6 | — | — | — | 39 | 3 CW | G. |
| | | Russell | 20.8 | — | — | — | 42 | 2 CW | G. |
| Yield differences not significant Rainfall—May to August—1.98 inches | | | | | | | | | |

| LYNN M. ROSAASEN, HINCHLIFFE | | | | | | | | | |
|----------------------------------------------------------------------|---|---------|------|---|---|---|----|-------|---|
| 8 | 8 | Garry | 35.0 | — | — | — | 35 | 1 Fd. | — |
| | | Rodney | 33.8 | — | — | — | 36 | 1 Fd. | — |
| | | Exeter | 34.8 | — | — | — | 36 | 1 Fd. | — |
| | | Glen | 37.8 | — | — | — | 35 | 1 Fd. | — |
| | | Russell | 29.1 | — | — | — | 37 | 1 Fd. | — |
| Yield differences not significant Rainfall—May to August—2.79 inches | | | | | | | | | |

| RUSSELL P. SAWCHUK, ARRAN | | | | | | | | | |
|----------------------------------------------------------------------|----|---------|------|----|----|-----|----|------|----|
| 8 | 10 | Garry | 28.0 | 88 | 21 | 2.3 | 40 | 3 CW | G. |
| | | Rodney | 28.9 | 88 | 20 | 1.5 | 42 | 3 CW | G. |
| | | Exeter | 31.9 | 87 | 17 | 4.5 | 42 | 2 CW | G. |
| | | Glen | 32.6 | 88 | 20 | 2.3 | 41 | 3 CW | G. |
| | | Russell | 25.2 | 88 | 17 | 1.8 | 41 | 3 CW | G. |
| Necessary difference—3.41 bushels Rainfall—May to August—4.03 inches | | | | | | | | | |

| THERESA M. NICHOLLS, VEILLARDVILLE | | | | | | | | | |
|-----------------------------------------------------------------------|----|---------|-------|----|----|-----|----|-------|----|
| 8 | 11 | Garry | 71.5 | 85 | 36 | 1.0 | 38 | 3 CW | G. |
| | | Rodney | 89.3 | 85 | 35 | 1.0 | 39 | 3 CW | G. |
| | | Exeter | 105.7 | 85 | 36 | 1.0 | 38 | 1 Fd. | G. |
| | | Glen | 96.4 | 81 | 37 | 1.0 | 37 | 1 Fd. | G. |
| | | Russell | 61.8 | 85 | 33 | 1.0 | 39 | 3 CW | G. |
| Necessary difference—11.99 bushels Rainfall—May to August—4.77 inches | | | | | | | | | |

| | | | | | | | | | |
|-------------------------------------------------------------------------------|---|------------------------|---|---|---|---|---|---|---|
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 8 | 3 | Sheryl C. Schick, Duff | — | — | — | — | — | — | — |

WHEAT POOL DISTRICT 9

| ALLAN RIEDEL, KELLIHER | | | | | | | | | |
|----------------------------------------------------------------------|---|---------|------|----|----|-----|----|-------|----|
| 9 | 1 | Garry | 29.6 | 69 | 21 | 2.5 | 40 | 2 CW | G. |
| | | Rodney | 33.1 | 76 | 23 | 2.0 | 41 | 3 CW | G. |
| | | Exeter | 32.5 | 76 | 21 | 1.0 | 39 | 1 Fd. | G. |
| | | Glen | 30.1 | 69 | 20 | 1.0 | 39 | 2 CW | G. |
| | | Russell | 28.3 | 72 | 19 | 3.5 | 41 | 2 CW | G. |
| Yield differences not significant Rainfall—May to August—2.67 inches | | | | | | | | | |

| ERIK L. HALLIDAY, LESTOCK | | | | | | | | | |
|----------------------------------------------------------------------|---|---------|------|----|----|-----|----|------|----|
| 9 | 3 | Garry | 52.1 | 79 | 34 | 3.0 | 39 | 2 CW | G. |
| | | Rodney | 61.6 | 79 | 31 | 1.0 | 39 | 3 CW | G. |
| | | Exeter | 57.8 | 78 | 30 | 2.0 | 37 | 3 CW | G. |
| | | Glen | 53.4 | 79 | 30 | 3.0 | 39 | 1 CW | — |
| | | Russell | 39.7 | 82 | 29 | 4.0 | 40 | 1 CW | — |
| Necessary difference—8.69 bushels Rainfall—May to August—2.95 inches | | | | | | | | | |

| BARRY G. MILLER, TUFFNELL | | | | | | | | | |
|----------------------------------------------------------------------|---|---------|------|---|----|-----|----|-----------|----|
| 9 | 9 | Garry | 19.1 | — | 24 | 2.0 | 40 | 2 CW | G. |
| | | Rodney | 19.4 | — | 23 | 2.0 | 41 | Ex. 1 Fd. | G. |
| | | Exeter | 21.0 | — | 23 | 2.0 | 39 | 3 CW | G. |
| | | Glen | 18.4 | — | 22 | 2.0 | 38 | Ex. 1 Fd. | G. |
| | | Russell | 15.6 | — | 20 | 2.0 | 41 | 3 C.W. | G. |
| Yield differences not significant Rainfall—May to August—3.16 inches | | | | | | | | | |

| | | | | | | | | | |
|-------------------------------------------------------------------------------|---|--------------------------|---|---|---|---|---|---|---|
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | |
| 9 | 5 | Gordon M. Schmidt, Duval | — | — | — | — | — | — | — |

WHEAT POOL DISTRICT 10

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seedling to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Com- mercial grades | Grading remarks |
|------------------------------------|---------------|-----------|---------------------------|---------------------------------|------------------------------|-------------------|--------------------------------|---------------------------|--------------------|
| WILSON G. BARTON, BEECHY | | | | | | | | | |
| 10 | 3 | Garry | 60.0 | — | 24 | — | 40 | 2 CW | G. |
| | | Rodney | 60.2 | — | 24 | — | 42 | Ex. 1 Fd. | G. |
| | | Exeter | 62.1 | — | 24 | — | 40 | 3 CW | G. |
| | | Glen | 58.5 | — | 24 | — | 39 | 2 CW | G. |
| | | Russell | 55.6 | — | 20 | — | 41 | 2 CW | G. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—3.70 inches | | | | | | | | | |
| DENNIS G. LUCKI, HAWARDEN | | | | | | | | | |
| 10 | 6 | Garry | 15.1 | 75 | 15 | 3.3 | 39 | 3 CW | G. |
| | | Rodney | 8.8 | 74 | 13 | 1.5 | 40 | 2 CW | G. |
| | | Exeter | 10.3 | 76 | 14 | 1.3 | 37 | 3 CW | G. |
| | | Glen | 14.5 | 75 | 14 | 3.5 | 35 | 3 CW | G. |
| | | Russell | 15.6 | 75 | 15 | 1.5 | 37 | 2 CW | G. |
| Necessary difference—2.93 bushels | | | | | | | | | |
| Rainfall—May to August—5.10 inches | | | | | | | | | |
| GORDON K. JONES, AMAZON | | | | | | | | | |
| 10 | 8 | Garry | 9.0 | — | 17 | 2.8 | 38 | 3 CW | G. |
| | | Rodney | 7.1 | — | 16 | 3.0 | 39 | 3 CW | G. |
| | | Exeter | 5.8 | — | 15 | 3.0 | 35 | 3 CW | G. |
| | | Glen | 8.3 | — | 16 | 3.0 | 34 | 3 CW | G. |
| | | Russell | 7.4 | — | 14 | 2.5 | 38 | 2 CW | G. |
| Yield differences not significant | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

10 4 John E. L. McPhail, Wiseton

WHEAT POOL DISTRICT 11

| LEONA AND LORRAINE BENDER, GLIDDEN | | | | | | | | | |
|------------------------------------|---|---------|------|----|----|-----|----|------|----|
| 11 | 3 | Garry | 30.6 | 74 | 22 | 2.0 | 39 | 2 CW | G. |
| | | Rodney | 27.9 | 74 | 22 | 2.0 | 40 | 2 CW | G. |
| | | Exeter | 32.3 | 74 | 22 | 2.0 | 39 | 3 CW | G. |
| | | Glen | 31.0 | 74 | 22 | 2.0 | 38 | 1 CW | G. |
| | | Russell | 31.8 | 74 | 22 | 2.0 | 40 | 2 CW | G. |
| Yield differences not significant | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

11 5 Herbert and Duane Lock, Pinkham
11 8 Richard D. England, Stranraer

WHEAT POOL DISTRICT 12

| BRUCE J. MARTIN, TRAYNOR | | | | | | | | | |
|------------------------------------|---|---------|------|---|----|---|----|-----------|----|
| 12 | 2 | Garry | 27.7 | — | 22 | — | 38 | 3 CW | G. |
| | | Rodney | 23.2 | — | 21 | — | 41 | 3 CW | G. |
| | | Exeter | 26.2 | — | 21 | — | 38 | Ex. 1 Fd. | G. |
| | | Glen | 25.8 | — | 21 | — | 37 | 1 Fd. | G. |
| | | Russell | 23.7 | — | 18 | — | 39 | Ex. 1 Fd. | G. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—4.64 inches | | | | | | | | | |

| VALENTINE F. J. USSELMAN, CACTUS LAKE | | | | | | | | | |
|---------------------------------------|---|---------|------|----|----|-----|----|-----------|----|
| 12 | 6 | Garry | 34.7 | 85 | 29 | 1.0 | 38 | Ex. 1 Fd. | G. |
| | | Rodney | 34.3 | 85 | 27 | 1.0 | 39 | Ex. 1 Fd. | G. |
| | | Exeter | 34.9 | 85 | 28 | 1.0 | 39 | Ex. 1 Fd. | G. |
| | | Glen | 32.5 | 85 | 25 | 1.0 | 38 | Ex. 1 Fd. | G. |
| | | Russell | 29.1 | 83 | 23 | 1.0 | 40 | 3 CW | G. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—6.19 inches | | | | | | | | | |

| IRENE A. KEAY, UNITY | | | | | | | | | |
|-------------------------------------|---|---------|------|----|----|-----|----|-------|----|
| 12 | 7 | Garry | 52.7 | 88 | 37 | 2.0 | 38 | 3 CW | G. |
| | | Rodney | 52.0 | 92 | 34 | 2.0 | 38 | 3 CW | G. |
| | | Exeter | 52.5 | 92 | 35 | 2.0 | 37 | 1 Fd. | G. |
| | | Glen | 57.6 | 85 | 35 | 4.0 | 38 | 2 CW | G. |
| | | Russell | 54.2 | 90 | 30 | 2.0 | 39 | 2 CW | G. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—10.09 inches | | | | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

12 3 William C. Dick, Landis

WHEAT POOL DISTRICT 13

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks | | | | | | | |
|-------------------------------------------------------------------------------|------------|-------------------------------|------------------------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|--|--|--|--|--|--|--|
| CAROL J. KEHLER, WATROUS | | | | | | | | | | | | | | | | |
| 13 | 2 | Garry | 17.6 | 89 | 22 | 1.0 | 39 | 2 CW | G. | | | | | | | |
| | | Rodney | 13.1 | 89 | 22 | 1.0 | 41 | 3 CW | G. | | | | | | | |
| | | Exeter | 18.4 | 89 | 22 | 1.8 | 37 | 3 CW | G. | | | | | | | |
| | | Glen | 16.3 | 89 | 20 | 1.8 | 38 | 2 CW | G. | | | | | | | |
| | | Russell | 14.3 | 91 | 20 | 1.5 | 41 | 2 CW | G. | | | | | | | |
| Necessary difference—2.90 bushels | | | Rainfall—May to August—3.68 inches | | | | | | | | | | | | | |
| MICHAEL F. SUMMERFELDT, DUNDURN | | | | | | | | | | | | | | | | |
| 13 | 3 | Garry | — | — | — | — | 36 | 1 Fd. | G. | | | | | | | |
| | | Rodney | — | — | — | — | 39 | Ex. 1 Fd. | G. | | | | | | | |
| | | Exeter | — | — | — | — | 35 | 1 Fd. | G. | | | | | | | |
| | | Glen | — | — | — | — | 35 | 1 Fd. | G. | | | | | | | |
| | | Russell | — | — | — | — | 38 | Ex. 1 Fd. | G. | | | | | | | |
| Part of test damaged—yields not reliable | | | Rainfall record incomplete | | | | | | | | | | | | | |
| DIANE E. M. GRYSCHEK, ELSTOW | | | | | | | | | | | | | | | | |
| 13 | 4 | Garry | 71.1 | 75 | 34 | 2.0 | 40 | 2 CW | G. | | | | | | | |
| | | Rodney | 71.0 | 80 | 36 | 1.0 | 42 | Ex. 1 Fd. | G. | | | | | | | |
| | | Exeter | 72.9 | 78 | 35 | 2.5 | 41 | Ex. 1 Fd. | G. | | | | | | | |
| | | Glen | 81.3 | 75 | 34 | 1.0 | 41 | 3 CW | G. | | | | | | | |
| | | Russell | 63.8 | 73 | 29 | 1.0 | 42 | 3 CW | G. | | | | | | | |
| Necessary difference—3.93 bushels | | | Rainfall—May to August—4.44 inches | | | | | | | | | | | | | |
| WALDO E. ELLIOT, SONNINGDALE | | | | | | | | | | | | | | | | |
| 13 | 7 | Garry | 14.3 | 90 | 18 | 5.0 | 38 | Ex. 1 Fd. | G. | | | | | | | |
| | | Rodney | 10.2 | 89 | 18 | 5.0 | 39 | Ex. 1 Fd. | G. | | | | | | | |
| | | Exeter | 16.5 | 90 | 17 | 5.3 | 36 | 1 Fd. | G. | | | | | | | |
| | | Glen | 17.4 | 89 | 21 | 5.3 | 35 | 1 Fd. | G. | | | | | | | |
| | | Russell | 13.4 | 90 | 15 | 4.0 | 38 | Ex. 1 Fd. | G. | | | | | | | |
| Necessary difference—1.48 bushels | | | Rainfall—May to August—3.28 inches | | | | | | | | | | | | | |
| GLENN W. NEUFELD, ABERDEEN | | | | | | | | | | | | | | | | |
| 13 | 8 | Garry | 27.9 | 77 | 29 | 2.0 | 38 | 3 CW | G. | | | | | | | |
| | | Rodney | 18.9 | 76 | 26 | 3.8 | 39 | 1 Fd. | G. | | | | | | | |
| | | Exeter | 29.9 | 77 | 26 | 2.0 | 39 | 1 Fd. | G. | | | | | | | |
| | | Glen | 28.3 | 77 | 26 | 2.8 | 38 | Ex. 1 Fd. | G. | | | | | | | |
| | | Russell | 31.9 | 77 | 23 | 1.0 | 40 | 2 CW | G. | | | | | | | |
| Necessary difference—5.27 bushels | | | Rainfall—May to August—3.26 inches | | | | | | | | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | | | | | | | | |
| 13 | 11 | Bernard J. Martin, St. Brieux | | | | | | | | | | | | | | |

WHEAT POOL DISTRICT 14

| 14 | 1 | Garry | 67.9 | 80 | 33 | 2.0 | 41 | 1 CW | — |
|-----------------------------------|---|---------|------------------------------------|----|----|-----|----|-----------|----|
| | | Rodney | 66.0 | 83 | 32 | 2.0 | 41 | 2 CW | G. |
| | | Exeter | 70.8 | 84 | 33 | 2.0 | 42 | 1 CW | — |
| | | Glen | 69.6 | 82 | 33 | 2.0 | 40 | 2 CW | G. |
| | | Russell | 61.8 | 83 | 30 | 2.0 | 43 | 1 CW | — |
| Yield differences not significant | | | Rainfall—May to August—3.46 inches | | | | | | |
| 14 | 2 | Garry | 16.9 | — | — | 1.3 | 39 | 1 CW | — |
| | | Rodney | 14.5 | — | — | 1.3 | 40 | 2 CW | G. |
| | | Exeter | 14.2 | — | — | 1.0 | 39 | 2 CW | G. |
| | | Glen | 15.2 | — | — | 1.3 | 37 | 3 CW | — |
| | | Russell | 14.7 | — | — | 2.0 | 39 | 1 CW | — |
| Necessary difference—1.32 bushels | | | Rainfall—May to August—1.73 inches | | | | | | |
| 14 | 4 | Garry | 28.4 | 83 | 28 | 3.0 | 39 | Ex. 1 Fd. | G. |
| | | Rodney | 26.5 | 85 | 30 | 1.5 | 41 | 2 CW | G. |
| | | Exeter | 22.8 | 84 | 29 | 1.0 | 40 | 2 CW | G. |
| | | Glen | 29.2 | 82 | 28 | 1.8 | 39 | 2 CW | G. |
| | | Russell | 24.2 | 83 | 26 | 2.0 | 40 | 1 CW | — |
| Yield differences not significant | | | Rainfall—May to August—3.56 inches | | | | | | |
| 14 | 6 | Garry | 26.8 | 91 | 41 | 2.3 | 37 | 3 CW | G. |
| | | Rodney | 27.7 | 92 | 40 | 2.5 | 41 | 3 CW | G. |
| | | Exeter | 41.7 | 96 | 40 | 1.5 | 37 | 1 Fd. | G. |
| | | Glen | 24.9 | 88 | 39 | 1.5 | 36 | 3 CW | G. |
| | | Russell | 24.1 | 88 | 39 | 2.0 | 40 | 3 CW | G. |
| Necessary difference—9.97 bushels | | | Rainfall record incomplete | | | | | | |

Wheat Pool District 14—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|------------------------------------|------------|-----------|---------------------|------------------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| LORNE T. McCONAGHY, BEATTY | | | | | | | | | |
| 14 | 8 | Garry | — | — | — | — | 34 | 1 Fd. | — |
| | | Rodney | — | — | — | — | 37 | 2 CW | — |
| | | Exeter | — | — | — | — | 36 | 2 CW | — |
| | | Glen | — | — | — | — | 34 | 3 CW | — |
| | | Russell | — | — | — | — | 36 | 2 CW | — |
| Test damaged—yields not reliable | | | | Rainfall—May to August—2.33 inches | | | | | |
| E. MURRAY OAKENFOLD, WELDON | | | | | | | | | |
| 14 | 9 | Garry | 21.1 | 82 | 25 | 6.0 | 38 | 1 Fd. | G. |
| | | Rodney | 17.9 | 82 | 23 | 6.0 | 38 | 1 Fd. | G. |
| | | Exeter | 20.9 | 82 | 24 | 6.0 | 36 | 1 Fd. | G. |
| | | Glen | 20.6 | 82 | 24 | 6.0 | 34 | 1 Fd. | G. |
| | | Russell | 19.8 | 82 | 23 | 6.0 | 37 | 1 Fd. | G. |
| Yield differences not significant | | | | Rainfall—May to August—2.02 inches | | | | | |
| GEORGE F. STAFFEN, NIPAWIN | | | | | | | | | |
| 14 | 11 | Garry | 57.4 | — | 30 | 2.0 | 39 | 2 CW | G. |
| | | Rodney | 49.8 | — | 32 | 2.0 | 39 | 3 CW | G. |
| | | Exeter | 47.3 | — | 29 | 2.0 | 39 | 3 CW | G. |
| | | Glen | 56.1 | — | 30 | 2.0 | 38 | 3 CW | G. |
| | | Russell | 49.7 | — | 30 | 1.8 | 39 | Ex. 1 Fd. | G. |
| Yield differences not significant | | | | Rainfall—May to August—1.59 inches | | | | | |

WHEAT POOL DISTRICT 15

| JOSEPH M. SIKORSKI, ALVENA | | | | | | | | | |
|-----------------------------------|----|---------|------|------------------------------------|----|-----|----|-----------|--------|
| 15 | 2 | Garry | 32.2 | — | 26 | 2.0 | 37 | 1 Fd. | G. |
| | | Rodney | 31.4 | — | 25 | 2.0 | 37 | 1 Fd. | G. |
| | | Exeter | 32.7 | — | 24 | 2.0 | 35 | 1 Fd. | G. |
| | | Glen | 33.2 | — | 25 | 1.8 | 35 | 1 Fd. | G. |
| | | Russell | 31.4 | — | 23 | 1.8 | 38 | Ex. 1 Fd. | G. |
| Yield differences not significant | | | | Rainfall—May to August—3.15 inches | | | | | |
| LARRY B. THIESSEN, HEPBURN | | | | | | | | | |
| 15 | 4 | Garry | 29.2 | 81 | 22 | 2.0 | 36 | 1 Fd. | G., W. |
| | | Rodney | 27.7 | 82 | 22 | 1.8 | 39 | 1 Fd. | G., W. |
| | | Exeter | 30.4 | 81 | 21 | 1.8 | 38 | 1 Fd. | G., W. |
| | | Glen | 29.8 | 81 | 21 | 1.8 | 36 | 1 Fd. | G., W. |
| | | Russell | 28.0 | 81 | 21 | 1.8 | 39 | 1 Fd. | G., W. |
| Yield differences not significant | | | | Rainfall—May to August—2.70 inches | | | | | |
| AIME G. BRASSARD, DEBDEN | | | | | | | | | |
| 15 | 7 | Garry | 80.2 | — | — | — | 39 | 3 CW | G. |
| | | Rodney | 72.9 | — | — | — | 41 | 3 CW | G. |
| | | Exeter | 88.9 | — | — | — | 41 | 3 CW | G. |
| | | Glen | 80.6 | — | — | — | 39 | Ex. 1 Fd. | G. |
| | | Russell | 73.3 | — | — | — | 38 | 1 Fd. | G., W. |
| Yield differences not significant | | | | Rainfall—May to August—3.49 inches | | | | | |
| DONALD B. TYCHOLIZ, MEATH PARK | | | | | | | | | |
| 15 | 10 | Garry | 23.0 | 89 | 20 | 2.0 | 39 | 3 CW | G. |
| | | Rodney | 24.8 | 90 | 23 | 2.0 | 38 | Ex. 1 Fd. | G. |
| | | Exeter | 27.1 | 86 | 23 | 2.8 | 40 | Ex. 1 Fd. | G. |
| | | Glen | 25.0 | 85 | 21 | 3.3 | 38 | Ex. 1 Fd. | G. |
| | | Russell | 20.7 | 86 | 18 | 2.8 | 40 | Ex. 1 Fd. | G. |
| Necessary difference—3.99 bushels | | | | Rainfall—May to August—3.31 inches | | | | | |
| MIKE RUDNISKI, SMEATON | | | | | | | | | |
| 15 | 11 | Garry | 38.4 | 83 | 28 | 2.0 | 37 | 3 CW | G. |
| | | Rodney | 41.8 | 84 | 26 | 2.0 | 40 | 3 CW | G. |
| | | Exeter | 40.0 | 85 | 27 | 2.0 | 39 | 3 CW | G. |
| | | Glen | 46.0 | 82 | 28 | 2.0 | 39 | 2 CW | G. |
| | | Russell | 36.6 | 82 | 22 | 3.0 | 41 | 2 CW | G. |
| Yield differences not significant | | | | Rainfall—May to August—3.10 inches | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

15 9 Marcel Painchaud, Albertville

WHEAT POOL DISTRICT 16

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Lbs. per measured bushel | Commercial grades | Grading remarks |
|---------------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|--------------------------|-------------------|-----------------|
| RONNIE W. KALYN, HAFFORD | | | | | | | | | |
| 16 | 2 | Garry | 32.8 | 86 | 25 | 2.8 | 42 | 2 CW | G. |
| | | Rodney | 27.6 | 87 | 23 | 2.8 | 43 | 2 CW | G. |
| | | Exeter | 31.4 | 87 | 23 | 4.5 | 40 | 2 CW | G. |
| | | Glen | 29.4 | 87 | 24 | 3.0 | 41 | 1 CW | — |
| | | Russell | 28.9 | 86 | 22 | 3.0 | 42 | 2 CW | G. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—3.17 inches | | | | | | | | | |
| BORIS EWANCHUK, WHITKOW | | | | | | | | | |
| 16 | 3 | Garry | 35.7 | 89 | 30 | 1.0 | 39 | 2 CW | G. |
| | | Rodney | 36.0 | 89 | 33 | 1.0 | 40 | 2 CW | G. |
| | | Exeter | 36.2 | 87 | 30 | 2.0 | 38 | 3 CW | G. |
| | | Glen | 33.7 | 89 | 30 | 2.0 | 37 | 3 CW | G. |
| | | Russell | 33.7 | 89 | 31 | 2.0 | 40 | 2 CW | G. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—3.98 inches | | | | | | | | | |
| KENNETH W. WESSON, MAIDSTONE | | | | | | | | | |
| 16 | 5 | Garry | 60.8 | 90 | 37 | 1.0 | 41 | 3 CW | G. |
| | | Rodney | 69.3 | 92 | 37 | 1.0 | 39 | 3 CW | G. |
| | | Exeter | 70.8 | 93 | 34 | 1.0 | 40 | 3 CW | G. |
| | | Glen | 69.8 | 90 | 38 | 1.0 | 39 | 3 CW | G. |
| | | Russell | 59.9 | 91 | 34 | 1.0 | 41 | 3 CW | G. |
| Necessary difference—6.87 bushels | | | | | | | | | |
| Rainfall—May to August—5.61 inches | | | | | | | | | |
| EVELYN AND LINDA LONG, FURNESS | | | | | | | | | |
| 16 | 6 | Garry | 79.6 | 86 | 41 | 3.3 | 37 | 1 Fd. | G. |
| | | Rodney | 78.1 | 86 | 39 | 2.0 | 38 | Ex. 1 Fd. | G. |
| | | Exeter | 77.7 | 89 | 39 | 5.3 | 37 | 1 Fd. | G. |
| | | Glen | 86.7 | 81 | 39 | 2.3 | 38 | 3 CW | G. |
| | | Russell | 60.8 | 89 | 37 | 4.3 | 40 | 2 CW | G. |
| Necessary difference—4.46 bushels | | | | | | | | | |
| Rainfall—May to August—7.17 inches | | | | | | | | | |
| ROBERT JETZKE, SPRUCE LAKE | | | | | | | | | |
| 16 | 8 | Garry | 65.0 | — | 36 | 1.0 | 42 | 1 CW | — |
| | | Rodney | 63.6 | — | 33 | 1.0 | 40 | 3 CW | G. |
| | | Exeter | 74.2 | — | 33 | 2.0 | 40 | 3 CW | G. |
| | | Glen | 73.5 | — | 34 | 1.3 | 41 | 2 CW | G. |
| | | Russell | 46.2 | — | 30 | 1.0 | 40 | 3 CW | G. |
| Necessary difference—10.61 bushels | | | | | | | | | |
| Rainfall—May to August—4.57 inches | | | | | | | | | |
| JOHN WARRINGTON, MERVIN | | | | | | | | | |
| 16 | 8 | Garry | 36.5 | 94 | 25 | 1.3 | 39 | 3 CW | G. |
| | | Rodney | 33.6 | 94 | 26 | 1.3 | 42 | 3 CW | G. |
| | | Exeter | 36.8 | 94 | 26 | 2.8 | 42 | 2 CW | G. |
| | | Glen | 40.6 | 94 | 25 | 1.5 | 39 | 2 CW | G. |
| | | Russell | 30.7 | 94 | 23 | 1.3 | 40 | 3 CW | G. |
| Necessary difference—4.74 bushels | | | | | | | | | |
| Rainfall—May to August—4.75 inches | | | | | | | | | |
| R. JAMES SEIDLE, MEDSTEAD | | | | | | | | | |
| 16 | 9 | Garry | 27.2 | 85 | 30 | 2.0 | 37 | 3 CW | G. |
| | | Rodney | 24.4 | 85 | 31 | 2.8 | 38 | Ex. 1 Fd. | G. |
| | | Exeter | 25.5 | 87 | 31 | 5.5 | 37 | 1 Fd. | G. |
| | | Glen | 25.8 | 87 | 32 | 2.3 | 36 | 1 Fd. | G. |
| | | Russell | 23.9 | 86 | 28 | 2.3 | 39 | Ex. 1 Fd. | G. |
| Yield differences not significant | | | | | | | | | |
| Rainfall—May to August—2.95 inches | | | | | | | | | |
| DONALD J. SITTER, MEADOW LAKE | | | | | | | | | |
| 16 | 11 | Garry | 35.8 | — | — | — | 34 | 3 CW | — |
| | | Rodney | 21.7 | — | — | — | 32 | 2 Fd. | — |
| | | Exeter | 37.8 | — | — | — | 35 | 1 Fd. | G. |
| | | Glen | 32.8 | — | — | — | 34 | 1 Fd. | G. |
| | | Russell | 28.0 | — | — | — | 34 | 1 Fd. | G. |
| Necessary difference—4.42 bushels | | | | | | | | | |
| Rainfall—May to August—7.10 inches | | | | | | | | | |

BARLEY TESTS

A total of 114 barley tests were seeded in 1961. Each of these contained the five varieties Jubilee, Keystone, Hannchen, Betzes and Palliser.

DESCRIPTION OF VARIETIES

Jubilee is a six-rowed, feed variety developed at the University of Saskatchewan from the cross Peatland X Regal X O.A.C. 21² X Husky. It is medium late maturing and has medium tall, strong straw. Jubilee is resistant to stem rust but susceptible to smuts.

Keystone is a six-rowed feed variety developed by the Canada Department of Agriculture at Brandon, Manitoba. It is a late maturing variety with mid-long, strong straw. Keystone is the first available barley variety with resistance to loose smut. It is resistant to stem rust and moderately resistant to covered smut.

Hannchen is a selection made in Canada from a variety which originated in Sweden. It is a medium late maturing variety which is susceptible to rusts and smuts. Hannchen has mid-short, mid-weak straw. It is eligible for the highest two row grades.

Betzes is a mid-late maturing variety introduced from Poland and licensed for commercial distribution in 1960. It is susceptible to rusts and smuts and has fair straw strength. Betzes is eligible for the highest two-row grades.

Palliser was developed by the Canada Department of Agriculture at Lethbridge and licensed for commercial distribution in 1960. It is a two-rowed, mid-late variety which is susceptible to rusts and smuts. It has fair straw strength and good resistance to shattering and head breakage. Palliser is not eligible for grades higher than 3 C.W. two-row.

PERFORMANCE OF VARIETIES

TABLE No. 16—AVERAGE YIELDS IN BUSHELS PER ACRE—
SUMMARIZED BY DISTRICTS

| District** | No. of Satisfactory Tests | Jubilee | Keystone | Hannchen | Betzes | Palliser | Necessary Difference* in Bushels |
|-------------|---------------------------|---------|----------|----------|--------|----------|----------------------------------|
| District 1 | 1 | 24.1 | 26.5 | 23.7 | 28.1 | 27.6 | 2.00 |
| District 2 | 4 | 12.2 | 23.1 | 19.6 | 22.3 | 24.1 | 2.53 |
| District 3 | 1 | 2.6 | 6.7 | 3.4 | 5.1 | 6.3 | 2.24 |
| District 4 | 3 | 8.0 | 15.6 | 7.9 | 12.5 | 12.9 | 1.18 |
| District 5 | 5 | 20.1 | 25.6 | 27.0 | 29.2 | 29.4 | 2.08 |
| District 6 | 3 | 14.9 | 18.1 | 16.0 | 16.3 | 19.7 | N.S. |
| District 7 | 5 | 15.2 | 22.9 | 25.4 | 24.9 | 25.2 | N.S. |
| District 8 | 2 | 15.5 | 19.1 | 21.0 | 24.3 | 21.4 | N.S. |
| District 9 | 6 | 15.0 | 19.4 | 23.3 | 26.9 | 24.1 | 1.96 |
| District 10 | 1 | 33.1 | 24.4 | 35.3 | 38.0 | 32.9 | 8.19 |
| District 11 | 1 | 36.3 | 41.6 | 34.4 | 42.7 | 38.3 | N.S. |
| District 12 | 7 | 33.4 | 36.6 | 33.3 | 35.3 | 36.5 | 1.89 |
| District 13 | 7 | 28.0 | 32.7 | 29.8 | 31.8 | 32.1 | 1.67 |
| District 14 | 6 | 35.0 | 35.9 | 33.9 | 36.0 | 39.9 | 3.28 |
| District 15 | 7 | 20.9 | 21.7 | 22.8 | 21.4 | 25.1 | 1.85 |
| District 16 | 6 | 49.4 | 54.7 | 47.7 | 51.2 | 50.0 | 2.92 |

***Necessary Difference**—Since yielding ability of varieties cannot be measured with absolute accuracy small differences have no significance. "Necessary Difference" is a statistical measurement of this difference. Unless the difference in yield of two varieties is greater than the necessary difference as shown in the tables, little confidence can be placed in the superiority of one variety over the other in that particular area.

N.S.—Yield differences not significant.

**See map, page 5.

Table No. 16. Of the five varieties tested in 1961 both **Palliser** and **Betzes** yielded favorably. Each produced top yields in a number of districts, and where yield is concerned, for this year there is little to choose between them. **Keystone** was on the average somewhat lower in yield but in five districts it produced the highest yield of the five varieties tested. **Hannchen** placed fourth in yield on an average basis. **Jubilee** was not outstanding in yield in any district. These yields must be compared in relation to the conditions which prevailed in the province in 1961. There was little or no incidence of rust, and

drought conditions were more widespread than usual. Palliser, Betzes and Hannchen are all susceptible to rust and would not be suitable where rust conditions are likely to occur. Keystone is resistant to stem rust but susceptible to leaf rust. Under less severe drought conditions Jubilee might be expected to yield relatively better than it did in 1961.

TABLE No. 17—AVERAGE NUMBER OF DAYS FROM SEEDING TO RIPENING—
SUMMARIZED BY DISTRICTS

| District | Jubilee | Keystone | Hannchen | Betzes | Palliser |
|-------------|---------|----------|----------|--------|----------|
| District 1 | — | — | — | — | — |
| District 2 | 79.5 | 80.0 | 79.5 | 78.5 | 79.5 |
| District 3 | — | — | — | — | — |
| District 4 | 83.0 | 82.5 | 83.0 | 82.5 | 83.0 |
| District 5 | 83.0 | 79.8 | 82.2 | 79.8 | 84.0 |
| District 6 | 77.0 | 68.0 | 77.0 | 68.0 | 73.0 |
| District 7 | 89.0 | 85.0 | 86.7 | 86.7 | 87.0 |
| District 8 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| District 9 | 91.0 | 86.3 | 89.3 | 86.7 | 88.3 |
| District 10 | 86.0 | 83.0 | 83.0 | 82.0 | 87.0 |
| District 11 | 81.5 | 78.5 | 81.5 | 79.5 | 79.5 |
| District 12 | 89.0 | 86.3 | 88.3 | 87.8 | 89.0 |
| District 13 | 89.2 | 86.8 | 89.2 | 87.2 | 88.8 |
| District 14 | 84.4 | 82.1 | 82.7 | 82.0 | 84.6 |
| District 15 | 93.0 | 88.2 | 90.6 | 88.4 | 90.2 |
| District 16 | 88.8 | 85.0 | 89.0 | 86.2 | 88.0 |

Table No. 17. Early maturity is an important factor when considering a variety for use where frost can be expected to occur. In this year's tests Keystone matured earlier than the other four varieties in most of the districts. Betzes was slightly later in maturity. Hannchen, Palliser and Jubilee ranked third, fourth and fifth respectively on an average basis.

TABLE No. 18—AVERAGE HEIGHT OF PLANTS IN INCHES
SUMMARIZED BY DISTRICTS

| District | Jubilee | Keystone | Hannchen | Betzes | Palliser |
|-------------|---------|----------|----------|--------|----------|
| District 1 | 15.0 | 16.0 | 17.0 | 17.0 | 20.0 |
| District 2 | 12.5 | 16.0 | 14.5 | 14.0 | 15.5 |
| District 3 | 15.0 | 15.0 | 17.0 | 14.0 | 15.0 |
| District 4 | 15.0 | 19.0 | 15.0 | 15.7 | 18.0 |
| District 5 | 15.9 | 17.1 | 16.3 | 16.3 | 17.7 |
| District 6 | 21.0 | 22.0 | 23.0 | 22.0 | 23.0 |
| District 7 | 14.6 | 16.0 | 16.4 | 15.6 | 17.4 |
| District 8 | 14.0 | 15.0 | 15.0 | 15.0 | 15.5 |
| District 9 | 14.4 | 17.0 | 17.2 | 15.8 | 17.6 |
| District 10 | 14.7 | 16.0 | 16.3 | 16.7 | 17.3 |
| District 11 | 18.0 | 19.7 | 19.0 | 18.3 | 20.0 |
| District 12 | 19.6 | 21.1 | 19.7 | 17.3 | 20.0 |
| District 13 | 17.5 | 19.8 | 19.7 | 18.0 | 20.8 |
| District 14 | 18.8 | 20.5 | 21.7 | 20.2 | 21.8 |
| District 15 | 19.0 | 20.2 | 19.7 | 19.0 | 21.2 |
| District 16 | 24.8 | 27.0 | 26.2 | 24.2 | 27.0 |



Despite the dry year, Darlene Nelson grew a fairly heavy stand of oats at Aquadell.



Evelyn and Linda Long of Furness conducted a test together in 1961.

Table No. 18. Depending on growing conditions short straw may be an advantage or disadvantage. Under dry conditions short-strawed varieties may be difficult to harvest. However, under more favorable growing conditions, long-strawed varieties may tend to lodge in the field under certain weather conditions. Of course consideration must be given to strength of straw as well as length. Of the five varieties tested in 1961, Jubilee had the shortest straw in nearly all districts. Betzes had the second shortest straw on an average basis. Hannchen and Keystone were quite similar in height and Palliser was fairly consistently taller than the other four varieties tested.

TABLE No. 19—AVERAGE STRAW STRENGTH OF PLANTS ON THE BASIS
1 (Strong) to 9 (Weak)
SUMMARIZED BY DISTRICTS

| District | Jubilee | Keystone | Hannchen | Betzes | Palliser |
|-------------|---------|----------|----------|--------|----------|
| District 1 | — | — | — | — | — |
| District 2 | 2.4 | 2.0 | 2.3 | 2.9 | 2.6 |
| District 3 | .5 | .4 | 4.5 | 2.8 | .4 |
| District 4 | 4.2 | 3.8 | 3.4 | 3.7 | 3.8 |
| District 5 | 2.9 | 3.0 | 3.1 | 3.6 | 3.1 |
| District 6 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| District 7 | 1.7 | 1.8 | 1.8 | 2.5 | 2.2 |
| District 8 | 2.3 | 1.5 | 1.5 | 2.3 | 1.4 |
| District 9 | 1.5 | 1.8 | 2.0 | 1.9 | 2.2 |
| District 10 | 1.9 | 2.2 | 2.7 | 2.6 | 3.1 |
| District 11 | 2.7 | 2.5 | 2.7 | 2.8 | 2.9 |
| District 12 | 1.4 | 1.8 | 2.0 | 3.3 | 3.0 |
| District 13 | 1.9 | 2.0 | 2.1 | 2.2 | 2.4 |
| District 14 | 1.3 | 1.6 | 2.3 | 2.8 | 2.4 |
| District 15 | 2.9 | 2.6 | 3.2 | 3.6 | 2.6 |
| District 16 | 2.4 | 2.4 | 2.4 | 3.3 | 2.9 |

Table No. 19. This factor is important if a crop remains standing for any extended time under adverse weather conditions. The degree of lodging under these conditions will be affected by both length and strength of straw. In 1961 most barley crops were quite short and because there was very little adverse weather at harvest time, no serious straw weakness was evident. On an average basis the five varieties ranked in the following order with regard to straw strength: Keystone, Jubilee, Hannchen, Palliser, Betzes.

TABLE No. 20—AVERAGE NECK STRENGTH OF PLANTS ON THE BASIS
1 (Strong) to 3 (Weak)
SUMMARIZED BY DISTRICTS

| District | Jubilee | Keystone | Hannchen | Betzes | Palliser |
|-------------|---------|----------|----------|--------|----------|
| District 1 | — | — | — | — | — |
| District 2 | 1.4 | 1.4 | 1.8 | 2.4 | 2.1 |
| District 3 | 1.5 | 2.5 | 2.3 | 1.8 | 2.0 |
| District 4 | 1.8 | 1.3 | 1.9 | 2.0 | 1.8 |
| District 5 | 1.5 | 1.6 | 1.8 | 2.6 | 1.9 |
| District 6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| District 7 | 1.4 | 2.0 | 1.7 | 2.6 | 2.1 |
| District 8 | 1.4 | 1.3 | 1.7 | 1.8 | 1.3 |
| District 9 | 1.6 | 1.7 | 1.9 | 2.4 | 1.7 |
| District 10 | 1.8 | 2.1 | 1.8 | 2.4 | 2.1 |
| District 11 | 1.9 | 1.7 | 1.9 | 2.3 | 2.1 |
| District 12 | 1.8 | 1.4 | 2.1 | 2.5 | 2.3 |
| District 13 | 1.3 | 1.6 | 1.6 | 1.7 | 1.8 |
| District 14 | 1.2 | 1.3 | 2.0 | 2.3 | 1.9 |
| District 15 | 1.4 | 1.1 | 1.4 | 1.7 | 1.2 |
| District 16 | 1.8 | 1.3 | 1.8 | 2.3 | 2.1 |

Table No. 20. Some varieties of barley, while they may have strong straw, tend when ripe to break off below the head. These heads are then lost on the ground. Of the five varieties tested in 1961 Jubilee showed the least tendency to neck weakness. Keystone ranked second on an average basis, with Hannchen and Palliser placing third and fourth respectively. Betzes was somewhat weaker than the four other varieties tested.

TABLE No. 21—AVERAGE WEIGHT PER MEASURED BUSHEL—
SUMMARIZED BY DISTRICTS

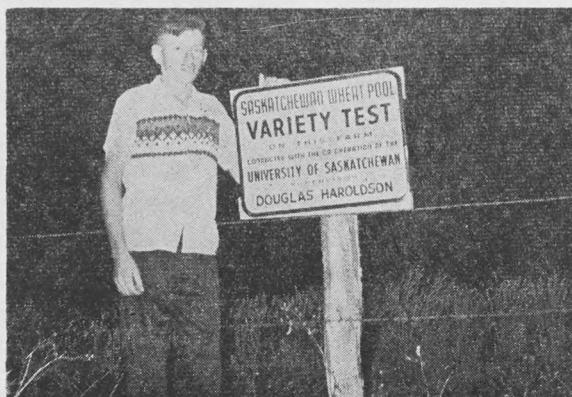
| District | Jubilee | Keystone | Hannchen | Betzes | Palliser |
|-------------|---------|----------|----------|--------|----------|
| District 1 | 48.0 | 50.5 | 54.5 | 54.5 | 50.0 |
| District 2 | 47.5 | 48.3 | 51.3 | 51.5 | 46.8 |
| District 3 | 42.0 | 41.0 | 48.0 | 47.0 | 43.0 |
| District 4 | 41.3 | 44.0 | 46.3 | 47.3 | 42.0 |
| District 5 | 46.7 | 48.0 | 53.0 | 52.4 | 48.0 |
| District 6 | 44.3 | 45.0 | 50.3 | 49.3 | 47.3 |
| District 7 | 47.2 | 47.8 | 51.8 | 51.0 | 47.4 |
| District 8 | 45.5 | 44.5 | 51.5 | 50.0 | 46.5 |
| District 9 | 47.3 | 46.6 | 52.4 | 52.0 | 48.4 |
| District 10 | 47.3 | 49.3 | 52.0 | 52.3 | 48.0 |
| District 11 | 47.3 | 48.0 | 52.0 | 51.7 | 48.7 |
| District 12 | 48.5 | 48.8 | 53.6 | 53.0 | 49.1 |
| District 13 | 48.4 | 48.4 | 53.1 | 52.9 | 49.1 |
| District 14 | 48.6 | 47.5 | 53.1 | 52.1 | 48.8 |
| District 15 | 47.9 | 47.0 | 51.9 | 50.1 | 47.0 |
| District 16 | 50.0 | 49.1 | 53.3 | 52.9 | 50.3 |

Table No. 21. Bushel weight is one of the factors which determine commercial grades. Hannchen showed consistently high bushel weight in the 1961 tests. Samples of Betzes also weighed up well and on the average this variety placed second of the five varieties tested. On an average basis Palliser ranked third and Keystone placed fourth. Samples of Jubilee were in most cases lower in bushel weight than those of other varieties.

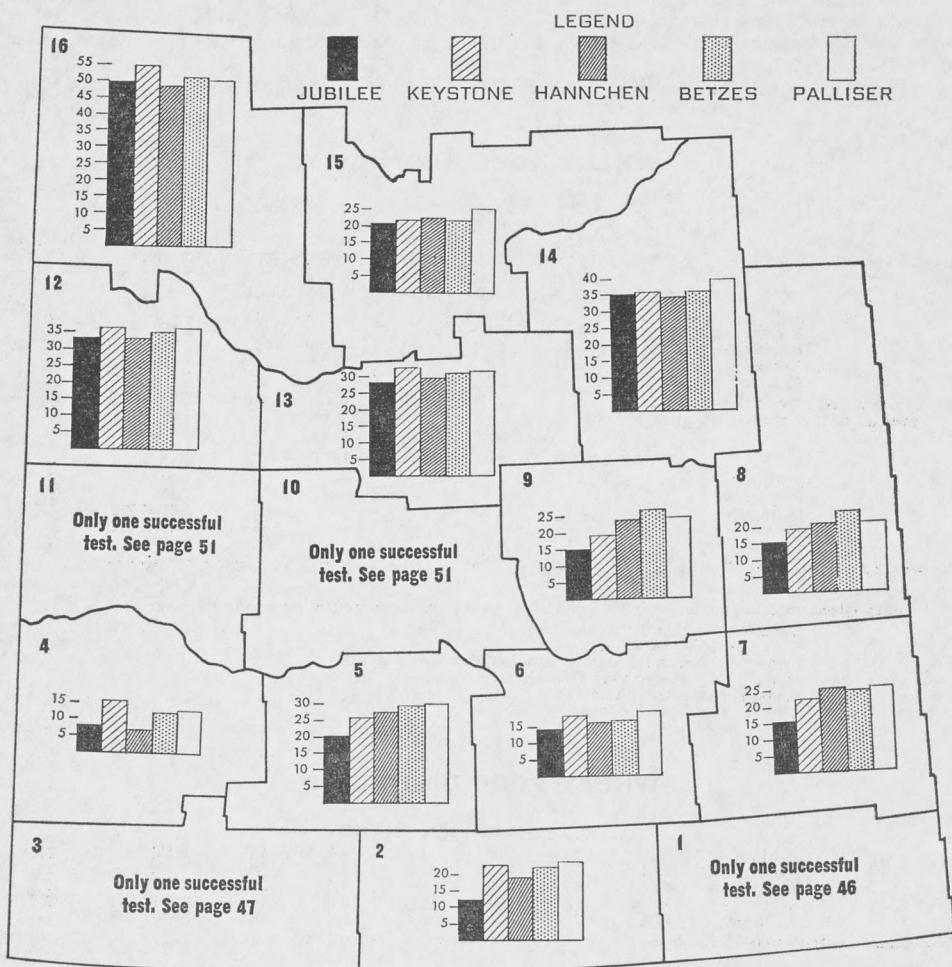
TABLE No. 22—PERCENTAGE OF COMMERCIAL GRADES BY VARIETIES

| Variety | 1 C.W. % | 2 C.W. % | 3 C.W. % | 1 Feed % | 2 Feed % | 3 Feed % |
|----------|-------------|-------------|-------------|-------------|-------------|-------------|
| Jubilee | — | — | — | 84.4 | 9.1 | 6.5 |
| Keystone | — | — | — | 87.0 | 9.1 | 3.9 |
| Hannchen | 13.0 | 27.3 | 35.0 | 23.4 | 1.3 | — |
| Betzes | 10.4 | 27.3 | 41.5 | 20.8 | — | — |
| Palliser | — | — | 83.1 | 9.1 | 3.9 | 3.9 |

Table No. 22. Because of their different characteristics it is not possible to make a direct comparison of these varieties. Jubilee and Keystone are not eligible for grades higher than No. 1 Feed. Hannchen and Betzes are eligible for the highest C.W. two-row grades, and Palliser is not eligible for grades higher than 3 C.W. two-row. There was no appreciable difference in grade between the two feed varieties Jubilee and Keystone. Hannchen and Betzes also were virtually equal with regard to grade. A large proportion of the samples of Palliser fell in the highest grade for which this variety is eligible.



This sign welcomed visitors to the Wheat Pool test conducted by Douglas Haroldson at Shell Lake.



GRAPHS SHOWING BARLEY YIELDS IN 1961

TABLE No. 23

INDIVIDUAL SUMMARIZED RESULTS OF ALL TESTS—BARLEY

The results of all successful barley tests are shown individually in the following table. The tests are listed in order of Wheat Pool districts and sub-districts. Before consulting the following table the reader is advised to refer to the discussion on page 5, headed, "Facts To Be Remembered in Reading Results."

Important—It should be kept in mind that the results of a single test should not be used as the basis for the choice of a variety. A more reliable guide is the discussion on a district basis which notes the performance of the same varieties in a large number of tests.

For an explanation of the abbreviations under "Grading Remarks", see Page 7.

WHEAT POOL DISTRICT 1

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
|-------------------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| RONALD AND ALBERT RUCKABER, MIDALE | | | | | | | | | | |
| 1 | 6 | Jubilee | 13.2 | — | 15 | — | — | 46 | 2 Fd. | G. |
| | | Keystone | 21.3 | — | 16 | — | — | 49 | 1 Fd. | G. |
| | | Hannchen | 17.5 | — | 17 | — | — | 53 | 1 Fd. | T., G. |
| | | Betzes | 22.7 | — | 17 | — | — | 53 | 3 CW 2R | T. |
| | | Palliser | 19.9 | — | 20 | — | — | 48 | 3 CW 2R | G. |

Test damaged by grasshoppers—
yields not included in district summary

Rainfall—May to August—3.27 inches

WALTER G. KOT, McTAGGART

| | | | | | | | | | | |
|---|---|----------|------|---|---|---|---|----|---------|----|
| 1 | 8 | Jubilee | 24.1 | — | — | — | — | 50 | 1 Fd. | T. |
| 1 | | Keystone | 26.5 | — | — | — | — | 52 | 1 Fd. | T. |
| 1 | | Hannchen | 23.7 | — | — | — | — | 56 | 1 CW 2R | — |
| 1 | | Betzes | 28.1 | — | — | — | — | 56 | 1 CW 2R | — |
| 1 | | Palliser | 27.6 | — | — | — | — | 52 | 3 CW 2R | G. |

Necessary difference—2.00 bushels

Rainfall—May to August—4.76 inches

Tests discarded on account of damage by pests, hail, drought or other causes:

| | | |
|---|----|--------------------------------------|
| 1 | 2 | Kenneth B. Hull, Alida |
| 1 | 3 | G. Lyle Fee, Alameda |
| 1 | 4 | Robert Zieglgansberger, Roche Percee |
| 1 | 7 | Ronald W. Pederson, Bromhead |
| 1 | 8 | Joseph D. Alton, Griffin |
| 1 | 10 | Albert P. Cop, Redvers |

WHEAT POOL DISTRICT 2

| GEORGE HARRISON, HARDY | | | | | | | | | | |
|-------------------------------|---|----------|------|----|----|-----|-----|----|---------|----|
| 2 | 2 | Jubilee | 31.2 | 78 | 16 | 2.3 | 1.5 | 48 | 1 Fd. | T. |
| | | Keystone | 48.1 | 78 | 20 | 1.0 | 1.8 | 50 | 1 Fd. | T. |
| | | Hannchen | 41.6 | 77 | 19 | 1.0 | 1.3 | 53 | 3 CW 2R | T. |
| | | Betzes | 46.0 | 78 | 18 | 1.8 | 2.0 | 54 | 2 CW 2R | T. |
| | | Palliser | 47.1 | 78 | 21 | 1.3 | 1.3 | 48 | 3 CW 2R | — |

Necessary difference—8.73 bushels

Rainfall record incomplete

GARRY T. KUFFNER, GLENTWORTH

| | | | | | | | | | | |
|---|---|----------|-----|----|----|-----|-----|----|-------|----|
| 2 | 6 | Jubilee | 2.1 | 81 | 9 | 2.5 | 1.3 | 46 | 1 Fd. | T. |
| | | Keystone | 9.4 | 82 | 12 | 3.0 | 1.8 | 45 | 1 Fd. | T. |
| | | Hannchen | 3.0 | 82 | 10 | 3.5 | 2.3 | 48 | 1 Fd. | T. |
| | | Betzes | 5.0 | 79 | 10 | 4.0 | 2.8 | 47 | 1 Fd. | T. |
| | | Palliser | 6.7 | 81 | 10 | 3.8 | 2.8 | 43 | 1 Fd. | T. |

Necessary difference—.94 bushels

Rainfall—May to August—1.73 inches

KENNETH R. W. THOMAS, WOOD MOUNTAIN

| | | | | | | | | | | |
|---|---|----------|------|---|---|---|---|----|---------|--------|
| 2 | 7 | Jubilee | 2.6 | — | — | — | — | 46 | 1 Fd. | T. |
| | | Keystone | 8.4 | — | — | — | — | 47 | 1 Fd. | T. |
| | | Hannchen | 7.9 | — | — | — | — | 50 | 3 CW 2R | G., T. |
| | | Betzes | 8.4 | — | — | — | — | 51 | 3 CW 2R | T. |
| | | Palliser | 10.0 | — | — | — | — | 46 | 1 Fd. | G. |

Yield differences not significant

Rainfall record incomplete

Wheat Pool District 2—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
|------------------------------------|------------|-----------|---------------------|----------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| NORMAN R. LOWES, ASSINIBOIA | | | | | | | | | | |
| 2 | 8 | Jubilee | 12.7 | — | — | — | — | 50 | 1 Fd. | T. |
| | | Keystone | 26.6 | — | — | — | — | 51 | 1 Fd. | T. |
| | | Hannchen | 25.9 | — | — | — | — | 54 | 1 CW 2R | — |
| | | Betzes | 29.8 | — | — | — | — | 54 | 2 CW 2R | T. |
| | | Palliser | 32.4 | — | — | — | — | 50 | 3 CW 2R | G. |
| Necessary difference—2.78 bushels | | | | Rainfall record incomplete | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

| | | |
|---|----|----------------------------|
| 2 | 10 | Brian L. Nast, Trossachs |
| 2 | 11 | Robert M. Beilay, Bengough |

WHEAT POOL DISTRICT 3

| RUSSEL K. CARLETON, ORKNEY | | | | | | | | | | |
|-----------------------------------|------------|-----------|---------------------|------------------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
| 3 | 2 | Jubilee | 2.6 | — | 15 | 5.0 | 1.5 | 42 | 3 Fd. | T. |
| | | Keystone | 6.7 | — | 15 | 4.0 | 2.5 | 41 | 3 Fd. | T. |
| | | Hannchen | 3.4 | — | 17 | 4.5 | 2.3 | 48 | 1 Fd. | T. |
| | | Betzes | 5.1 | — | 14 | 2.8 | 1.8 | 47 | 1 Fd. | T. |
| | | Palliser | 6.3 | — | 15 | 4.0 | 2.0 | 43 | 2 Fd. | T. |
| Necessary difference—2.24 bushels | | | | Rainfall—May to August—2.53 inches | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

| | | |
|---|----|--------------------------------|
| 3 | 4 | Glenn V. Korsberg, Loomis |
| 3 | 5 | Robert C. Aslin, Robsart |
| 3 | 7 | Richard B. Girard, Eastend |
| 3 | 8 | Ivan L. McMillan, Scotsguard |
| 3 | 9 | Hugh E. McDonough, Crichton |
| 3 | 10 | M. M. Edna Dumonceaux, Ponteix |

WHEAT POOL DISTRICT 4

| RONALD AND JIM APPLEYARD, ANTELOPE | | | | | | | | | | |
|-------------------------------------------|------------|-----------|---------------------|------------------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
| 4 | 4 | Jubilee | 16.9 | 76 | 17 | 1.0 | 1.0 | 43 | 2 Fd. | T. |
| | | Keystone | 22.4 | 75 | 22 | 1.0 | 1.0 | 44 | 2 Fd. | T. |
| | | Hannchen | 16.0 | 76 | 19 | 1.3 | 1.5 | 49 | 1 Fd. | T. |
| | | Betzes | 20.2 | 75 | 18 | 2.0 | 2.0 | 47 | 1 Fd. | T. |
| | | Palliser | 19.8 | 76 | 22 | 1.0 | 1.5 | 43 | 1 Fd. | T. |
| Necessary difference—1.75 bushels | | | | Rainfall—May to August—4.03 inches | | | | | | |

| ELLA HESCHL, RICHMOND | | | | | | | | | | |
|-----------------------------------|------------|-----------|---------------------|------------------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
| 4 | 7 | Jubilee | 2.2 | 90 | 12 | 5.8 | 2.0 | 41 | 3 Fd. | T. |
| | | Keystone | 7.5 | 90 | 15 | 1.5 | 1.5 | 45 | 2 Fd. | T. |
| | | Hannchen | 3.4 | 90 | 11 | 3.5 | 2.3 | 46 | 1 Fd. | T. |
| | | Betzes | 5.9 | 90 | 12 | 2.5 | 1.8 | 47 | 1 Fd. | T. |
| | | Palliser | 5.4 | 90 | 13 | 2.0 | 1.8 | 41 | 3 Fd. | T. |
| Necessary difference—2.07 bushels | | | | Rainfall—May to August—3.13 inches | | | | | | |

| LORNE R. JOHNSON, ABBEY | | | | | | | | | | |
|-----------------------------------|------------|-----------|---------------------|------------------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
| 4 | 10 | Jubilee | 5.0 | — | 16 | 5.8 | 2.3 | 40 | 3 Fd. | T. |
| | | Keystone | 17.0 | — | 20 | 9.0 | 1.5 | 43 | 2 Fd. | T. |
| | | Hannchen | 4.2 | — | 15 | 5.5 | 2.0 | 44 | 2 Fd. | T. |
| | | Betzes | 11.4 | — | 17 | 6.5 | 2.3 | 48 | 1 Fd. | T. |
| | | Palliser | 13.5 | — | 19 | 8.5 | 2.0 | 42 | 3 Fd. | G. |
| Necessary difference—2.66 bushels | | | | Rainfall—May to August—3.44 inches | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

| | | |
|---|---|-----------------------------|
| 4 | 1 | Donald E. Mackenzie, Piapot |
| 4 | 2 | Garry L. Ford, Maple Creek |
| 4 | 8 | Victor R. Schimpf, Leader |
| 4 | 9 | Bryon J. Kost, Lumsford |

WHEAT POOL DISTRICT 5

| GORDON R. BELL, VANTAGE | | | | | | | | | | |
|-----------------------------------|------------|-----------|---------------------|------------------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
| 5 | 1 | Jubilee | 16.7 | 84 | 17 | 2.5 | 2.3 | 49 | 1 Fd. | T. |
| | | Keystone | 31.1 | 77 | 17 | 2.3 | 1.8 | 50 | 1 Fd. | T. |
| | | Hannchen | 26.8 | 81 | 18 | 1.5 | 2.5 | 55 | 2 CW2R | T. |
| | | Betzes | 30.1 | 78 | 15 | 3.5 | 2.5 | 54 | 2 CW2R | T. |
| | | Palliser | 27.5 | 82 | 18 | 1.8 | 2.0 | 50 | 3 CW2R | — |
| Necessary difference—7.04 bushels | | | | Rainfall—May to August—3.86 inches | | | | | | |

Wheat Pool District 5—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds per bushel measured | Commercial grades | Grading remarks |
|--------------------------------------------------|------------|--------------|---------------------|--------------------------|------------------------|------------------------------------|---------------|----------------------------|-------------------|-----------------|
| LINDA J. FRIESEN, BLUMENHOF | | | | | | | | | | |
| 5 | 3 | Jubilee | 11.3 | 88 | 14 | 1.5 | 1.5 | 48 | 1 Fd. | T. |
| | | Keystone | 13.3 | 85 | 15 | 1.8 | 1.8 | 50 | 1 Fd. | T. |
| | | Hannchen | 17.8 | 86 | 15 | 1.5 | 1.5 | 53 | 2 CW2R | T. |
| | | Betzes | 17.6 | 82 | 16 | 3.5 | 3.3 | 52 | 3 CW2R | T. |
| | | Palliser | 19.0 | 86 | 15 | 2.5 | 2.5 | 49 | 3 CW2R | G. |
| Necessary difference | — | 3.97 bushels | | | | Rainfall—May to August—2.38 inches | | | | |
| RONALD P. GIESBRECHT, WYMARK | | | | | | | | | | |
| 5 | 4 | Jubilee | — | 81 | 11 | 1.8 | 1.0 | 46 | 1 Fd. | — |
| | | Keystone | — | 77 | 16 | 1.8 | 1.0 | 48 | 1 Fd. | T. |
| | | Hannchen | — | 80 | 12 | 2.3 | 2.0 | 53 | 1 Fd. | T. |
| | | Betzes | — | 79 | 15 | 2.5 | 2.0 | 52 | 1 Fd. | T. |
| | | Palliser | — | 80 | 17 | 2.3 | 1.3 | 49 | 3 CW2R | G. |
| Test damaged by grasshoppers—yields not reliable | | | | | | Rainfall—May to August—2.97 inches | | | | |
| DIERDRE A. PAULSON, HODGEVILLE | | | | | | | | | | |
| 5 | 5 | Jubilee | 13.6 | — | 13 | 1.3 | 1.3 | 47 | 1 Fd. | T. |
| | | Keystone | 18.6 | — | 15 | 1.8 | 2.0 | 47 | 1 Fd. | T. |
| | | Hannchen | 17.8 | — | 15 | 2.0 | 1.5 | 52 | 3 CW2R | T. |
| | | Betzes | 21.5 | — | 13 | 2.3 | 3.0 | 51 | 3 CW2R | T. |
| | | Palliser | 22.8 | — | 16 | 2.0 | 2.5 | 47 | 3 CW2R | G. |
| Necessary difference | — | 4.48 bushels | | | | Rainfall—May to August—2.60 inches | | | | |
| GARY J. FAWCETT, PARKBEG | | | | | | | | | | |
| 5 | 7 | Jubilee | 22.4 | — | 13 | 9.0 | 2.0 | 49 | 1 Fd. | T. |
| | | Keystone | 25.0 | — | 13 | 9.0 | 2.0 | 49 | 1 Fd. | T. |
| | | Hannchen | 28.5 | — | 13 | 9.0 | 2.0 | 54 | 2 CW2R | T. |
| | | Betzes | 34.6 | — | 15 | 9.0 | 2.0 | 53 | 2 CW2R | T. |
| | | Palliser | 32.8 | — | 16 | 9.0 | 2.0 | 49 | 3 CW2R | — |
| Necessary difference | — | 4.67 bushels | | | | Rainfall—May to August—4.40 inches | | | | |
| DAVID G. HICKS, MARQUIS | | | | | | | | | | |
| 5 | 8 | Jubilee | 36.4 | 84 | 18 | 1.0 | 1.0 | 51 | 1 Fd. | — |
| | | Keystone | 39.8 | 82 | 18 | 1.0 | 1.0 | 51 | 1 Fd. | — |
| | | Hannchen | 44.1 | 84 | 16 | 2.0 | 1.0 | 56 | 1 CW2R | — |
| | | Betzes | 42.3 | 82 | 16 | 1.0 | 3.0 | 55 | 1 CW2R | — |
| | | Palliser | 45.1 | 84 | 16 | 1.0 | 1.0 | 51 | 3 CW2R | — |
| Necessary difference | — | 4.77 bushels | | | | Rainfall—May to August—4.91 inches | | | | |
| ELDO M. SCHMIDT, ERNFOLD | | | | | | | | | | |
| 5 | 10 | Jubilee | — | 78 | 25 | — | — | 37 | 3 Fd. | T. |
| | | Keystone | — | 78 | 26 | — | — | 41 | 3 Fd. | T. |
| | | Hannchen | — | 80 | 25 | — | — | 48 | 1 Fd. | T. |
| | | Betzes | — | 78 | 24 | — | — | 50 | 1 Fd. | T. |
| | | Palliser | — | 88 | 26 | — | — | 41 | 3 Fd. | T. |
| Test damaged by grasshoppers—yields not reliable | | | | | | Rainfall—May to August—2.28 inches | | | | |

WHEAT POOL DISTRICT 6

| 6 | 6 | | MELVIN J. SHORTLAND, BRIERCREST | | | | | | | |
|-------------------------------------|---|--------------|----------------------------------------|----|----|------------------------------------|-----|----|--------|-------|
| 6 | 6 | Jubilee | 3.9 | — | — | — | — | 46 | 1 Fd. | — |
| | | Keystone | 7.9 | — | — | — | — | 46 | 1 Fd. | — |
| | | Hannchen | 4.5 | — | — | — | — | 51 | 3 CW2R | T. |
| | | Betzes | 6.8 | — | — | — | — | 50 | 3 CW2R | T. |
| | | Palliser | 6.9 | — | — | — | — | 48 | 3 CW2R | — |
| Necessary difference | — | 2.30 bushels | | | | Rainfall record incomplete | | | | |
| DOUGLAS SEIDLITZ, RICHARDSON | | | | | | | | | | |
| 6 | 7 | Jubilee | 26.8 | 77 | 21 | 3.0 | 1.0 | 49 | 1 Fd. | — |
| | | Keystone | 24.4 | 68 | 22 | 3.0 | 1.0 | 50 | 1 Fd. | — |
| | | Hannchen | 25.2 | 77 | 23 | 3.0 | 1.0 | 53 | 3 CW2R | T. G. |
| | | Betzes | 24.9 | 68 | 22 | 3.0 | 1.0 | 52 | 3 CW2R | T. G. |
| | | Palliser | 35.1 | 78 | 23 | 3.0 | 1.0 | 51 | 3 CW2R | G. |
| Yield differences not significant | | | | | | Rainfall—May to August—1.81 inches | | | | |
| MALCOLM J. LANZ, AVONHURST | | | | | | | | | | |
| 6 | 8 | Jubilee | 13.9 | — | — | — | — | 38 | 3 Fd. | T. |
| | | Keystone | 21.9 | — | — | — | — | 39 | 3 Fd. | T. |
| | | Hannchen | 18.3 | — | — | — | — | 47 | 1 Fd. | T. |
| | | Betzes | 17.2 | — | — | — | — | 46 | 1 Fd. | T. |
| | | Palliser | 17.2 | — | — | — | — | 43 | 2 Fd. | T. |
| Yield differences not significant | | | | | | Rainfall record incomplete | | | | |

Wheat Pool District 6—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds per bushel | Commercial grades | Grading remarks |
|-------------------------------------------------------------------------------|------------|-------------------------------|---------------------|--------------------------|------------------------|----------------|---------------|-------------------|-------------------|-----------------|
| | | | | | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | | |
| 6 | 2 | Adam L. Tomaschefski, Odessa | | | | | | | | |
| 6 | 3 | Marilyn C. Bradley, Milestone | | | | | | | | |
| 6 | 10 | Richard G. Eberts, Lumsden | | | | | | | | |

WHEAT POOL DISTRICT 7

| PETER G. CHRISTIE, MOOSOMIN | | | | | | | | | | |
|------------------------------------|----|----------|------|------------------------------------|----|-----|-----|----|---------|-------|
| 7 | 2 | Jubilee | 16.9 | — | 17 | 1.0 | 1.0 | 46 | 1 Fd. | — |
| | | Keystone | 33.9 | — | 19 | 1.0 | 2.0 | 47 | 1 Fd. | |
| | | Hannchen | 37.2 | — | 18 | 1.0 | 1.5 | 50 | 3 CW2R | T. W. |
| | | Betzes | 31.7 | — | 18 | 1.0 | 1.3 | 48 | 3 CW2R | T. W. |
| | | Palliser | 29.6 | — | 20 | 1.0 | 2.0 | 46 | 3 CW2R | — |
| Necessary difference—12.56 bushels | | | | Rainfall—May to August—2.90 inches | | | | | | |
| DONALD AND ALBERT DAKU, KIPLING | | | | | | | | | | |
| 7 | 4 | Jubilee | 10.1 | 89 | 13 | 2.0 | 2.8 | 47 | 1 Fd. | — |
| | | Keystone | 14.3 | 84 | 14 | 2.8 | 3.0 | 47 | 1 Fd. | |
| | | Hannchen | 13.2 | 89 | 14 | 2.3 | 2.3 | 52 | 3 CW2R | T. |
| | | Betzes | 15.0 | 87 | 13 | 3.0 | 2.8 | 52 | 3 CW2R | T. |
| | | Palliser | 17.9 | 89 | 15 | 2.8 | 3.0 | 48 | 3 CW2R | G. |
| Necessary difference—4.12 bushels | | | | Rainfall—May to August—1.35 inches | | | | | | |
| MARSHALL R. STAMM, GLENAVON | | | | | | | | | | |
| 7 | 6 | Jubilee | 14.3 | — | 14 | 3.0 | 1.0 | 47 | 1 Fd. | — |
| | | Keystone | 20.6 | — | 15 | 2.0 | 1.3 | 48 | 1 Fd. | |
| | | Hannchen | 24.7 | — | 15 | 2.0 | 1.3 | 51 | 3 CW2R | T. |
| | | Betzes | 25.1 | — | 16 | 4.0 | 3.0 | 52 | 3 CW2R | T. |
| | | Palliser | 27.5 | — | 16 | 3.5 | 1.8 | 47 | 3 CW2R | — |
| Necessary difference—3.86 bushels | | | | Rainfall—May to August—2.11 inches | | | | | | |
| NORMAN H. ORE, ROCANVILLE | | | | | | | | | | |
| 7 | 8 | Jubilee | 20.4 | 87 | 16 | 1.0 | 1.0 | 49 | 1 Fd. | — |
| | | Keystone | 27.4 | 83 | 18 | 1.3 | 1.8 | 49 | 1 Fd. | |
| | | Hannchen | 27.5 | 83 | 20 | 1.3 | 1.3 | 53 | 3 CW2R | T. |
| | | Betzes | 29.1 | 83 | 18 | 2.0 | 3.0 | 51 | 3 CW2R | T. |
| | | Palliser | 27.7 | 83 | 20 | 2.0 | 2.0 | 47 | 3 CW2R | — |
| Necessary difference—2.95 bushels | | | | Rainfall—May to August—2.68 inches | | | | | | |
| RALPH H. JAMIESON, LEMBERG | | | | | | | | | | |
| 7 | 11 | Jubilee | 14.5 | 91 | 13 | 1.5 | 1.3 | 47 | 1 Fd. | — |
| | | Keystone | 18.3 | 88 | 14 | 1.8 | 2.0 | 48 | 1 Fd. | |
| | | Hannchen | 24.3 | 88 | 15 | 2.3 | 2.3 | 53 | 2 CW 2R | T. |
| | | Betzes | 23.5 | 90 | 13 | 2.5 | 3.0 | 52 | 2 CW 2R | T. |
| | | Palliser | 23.4 | 89 | 16 | 1.5 | 1.5 | 49 | 3 CW 2R | — |
| Necessary difference—4.97 bushels | | | | Rainfall—May to August—2.61 inches | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

| | | |
|---|----|-----------------------------------------------|
| 7 | 1 | Donald M. Hartlin, Mair |
| 7 | 7 | Robert T. Wysoskey, Broadview |
| 7 | 10 | Buddy Romanchuk and Douglas Ylazer, Esterhazy |

WHEAT POOL DISTRICT 8

| HARVEY N. POPP, MACNUTT | | | | | | | | | | |
|-----------------------------------|---|----------|------|------------------------------------|----|-----|-----|----|---------|--------|
| 8 | 1 | Jubilee | 6.7 | 84 | 12 | 1.0 | 1.0 | 44 | 2 Fd. | T., G. |
| | | Keystone | 4.0 | 84 | 12 | 1.0 | 1.0 | 43 | 2 Fd. | T., G. |
| | | Hannchen | 11.6 | 84 | 12 | 1.0 | 1.0 | 52 | 3 CW 2R | T. |
| | | Betzes | 12.1 | 84 | 12 | 1.0 | 1.0 | 51 | 3 CW 2R | T. |
| | | Palliser | 9.7 | 84 | 12 | 1.0 | 1.0 | 47 | 3 CW 2R | — |
| Necessary difference—5.49 bushels | | | | Rainfall—May to August—2.49 inches | | | | | | |
| CLIFTON R. SJOLIE, STURGIS | | | | | | | | | | |
| 8 | 8 | Jubilee | 24.3 | — | 16 | 3.5 | 1.8 | 47 | 1 Fd. | — |
| | | Keystone | 34.2 | — | 18 | 2.0 | 1.5 | 46 | 1 Fd. | |
| | | Hannchen | 30.4 | — | 18 | 2.0 | 2.3 | 51 | 3 CW 2R | T., G. |
| | | Betzes | 36.5 | — | 18 | 3.5 | 2.5 | 49 | 3 CW 2R | T., G. |
| | | Palliser | 33.0 | — | 19 | 1.8 | 1.5 | 46 | 3 CW 2R | — |
| Yield differences not significant | | | | Rainfall—May to August—2.69 inches | | | | | | |

Wheat Pool District 8—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial bushel grades | Grading remarks |
|-------------------------------------------------------------------------------|------------|-------------------------------|---------------------|--------------------------|------------------------|----------------|---------------|----------------------------|--------------------------|-----------------|
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | | |
| 8 | 4 | Douglas A. Badke, Springside | | | | | | | | |
| 8 | 6 | Quentin A. Weinbender, Burgis | | | | | | | | |
| 8 | 9 | Graham R. P. Mutch, Norquay | | | | | | | | |
| 8 | 9 | Andrew M. Rahn, Danbury | | | | | | | | |

WHEAT POOL DISTRICT 9

ROBERT A. WEBER, GREGHERD

| | | | | | | | | | | |
|---|---|----------|---|---|----|-----|-----|----|---------|----|
| 9 | 2 | Jubilee | — | — | 14 | 1.5 | 1.5 | 47 | 1 Fd. | — |
| | | Keystone | — | — | 15 | 2.0 | 1.8 | 48 | 1 Fd. | — |
| | | Hannchen | — | — | 16 | 2.5 | 2.0 | 53 | 3 CW 2R | T. |
| | | Betzes | — | — | 16 | 3.3 | 3.0 | 51 | 3 CW 2R | T. |
| | | Palliser | — | — | 17 | 2.5 | 2.3 | 49 | 3 CW 2R | — |

Test damaged by grasshoppers—yields not reliable Rainfall—May to August—3.35 inches

FRANCES J. MIKENAS, LEROSS

| | | | | | | | | | | |
|---|---|----------|------|----|----|-----|-----|----|---------|----|
| 9 | 3 | Jubilee | 13.3 | 91 | 14 | 1.0 | 2.0 | 47 | 1 Fd. | — |
| | | Keystone | 15.1 | 84 | 14 | 1.0 | 2.0 | 47 | 1 Fd. | — |
| | | Hannchen | 20.2 | 90 | 18 | 2.0 | 3.0 | 52 | 3 CW 2R | T. |
| | | Betzes | 20.1 | 81 | 14 | 1.0 | 2.0 | 53 | 3 CW 2R | T. |
| | | Palliser | 23.5 | 79 | 17 | 1.5 | 1.5 | 47 | 3 CW 2R | — |

Necessary difference—3.49 bushels Rainfall—May to August—2.95 inches

JOHN P. BARBER, STRASBOURG

| | | | | | | | | | | |
|------|---|----------|------|----|----|-----|-----|----|---------|----|
| 9 | 4 | Jubilee | 10.8 | 86 | 16 | 2.0 | 1.0 | 47 | 1 Fd. | — |
| | | Keystone | 15.1 | 76 | 17 | 3.8 | 1.8 | 46 | 1 Fd. | — |
| | | Hannchen | 16.6 | 78 | 17 | 1.5 | 1.8 | 52 | 3 CW 2R | T. |
| | | Betzes | 21.4 | 77 | 17 | 2.5 | 2.8 | 52 | 3 CW 2R | T. |
| | | Palliser | 13.1 | 84 | 17 | 3.0 | 1.3 | 48 | 3 CW 2R | — |

Yield differences not significant Rainfall record incomplete

HARRY J. SMITH, GOVAN

| | | | | | | | | | | |
|---|---|----------|------|----|----|-----|-----|----|---------|----|
| 9 | 6 | Jubilee | 17.5 | 94 | 15 | 1.0 | 2.0 | 48 | 1 Fd. | — |
| | | Keystone | 22.5 | 94 | 22 | 2.0 | 2.0 | 46 | 1 Fd. | — |
| | | Hannchen | 25.4 | 94 | 18 | 3.0 | 2.0 | 54 | 1 CW 2R | — |
| | | Betzes | 27.9 | 94 | 15 | 2.0 | 3.0 | 53 | 2 CW 2R | T. |
| | | Palliser | 27.7 | 94 | 20 | 3.0 | 3.0 | 50 | 3 CW 2R | — |

Necessary difference—2.47 bushels Rainfall—May to August—4.07 inches

JAMES G. GETTIS, SEMANS

| | | | | | | | | | | |
|---|---|----------|------|----|---|-----|-----|----|---------|----|
| 9 | 7 | Jubilee | 14.6 | 93 | — | 2.0 | 1.8 | 47 | 1 Fd. | — |
| | | Keystone | 18.9 | 93 | — | 1.0 | 1.3 | 45 | 2 Fd. | T. |
| | | Hannchen | 20.2 | 93 | — | 2.0 | 1.8 | 51 | 3 CW 2R | — |
| | | Betzes | 24.0 | 93 | — | 1.0 | 1.3 | 48 | 3 CW 2R | T. |
| | | Palliser | 23.3 | 93 | — | 2.0 | 1.3 | 46 | 3 CW 2R | — |

Necessary difference—5.24 bushels Rainfall—May to August—4.07 inches

DOUGLAS AND BRIAN FORD, ELFROS

| | | | | | | | | | | |
|---|----|----------|------|----|---|---|---|----|---------|----|
| 9 | 10 | Jubilee | 31.0 | 90 | — | — | — | 49 | 1 Fd. | — |
| | | Keystone | 34.2 | 91 | — | — | — | 50 | 1 Fd. | — |
| | | Hannchen | 40.3 | 92 | — | — | — | 54 | 2 CW 2R | T. |
| | | Betzes | 46.1 | 91 | — | — | — | 55 | 1 CW 2R | — |
| | | Palliser | 42.3 | 91 | — | — | — | 51 | 3 CW 2R | — |

Necessary difference—6.97 bushels Rainfall—May to August—3.41 inches

DONALD W. HOLMSTROM, LESLIE

| | | | | | | | | | | |
|---|----|----------|------|----|----|-----|-----|----|---------|-------|
| 9 | 10 | Jubilee | 2.9 | 92 | 13 | 1.5 | 1.0 | 46 | 1 Fd. | — |
| | | Keystone | 10.4 | 80 | 17 | 1.0 | 1.0 | 44 | 2 Fd. | — |
| | | Hannchen | 17.3 | 89 | 17 | 1.0 | 1.0 | 51 | 1 Fd. | T. G. |
| | | Betzes | 21.8 | 84 | 17 | 1.8 | 2.5 | 52 | 1 Fd. | T. |
| | | Palliser | 14.6 | 89 | 17 | 1.0 | 1.0 | 48 | 3 CW 2R | — |

Necessary difference—4.35 bushels Rainfall—May to August—2.91 inches

Tests discarded on account of damage by pests, hail, drought or other causes:

9 8 Lorne F. Hall, Wynyard

WHEAT POOL DISTRICT 10

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds per bushel measured | Commercial grades | Grading remarks |
|--------------------------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| DAVID G. SPENCER, CRAIK | | | | | | | | | | |
| 10 | 1 | Jubilee | 33.1 | 86 | 18 | 2.0 | 2.0 | 50 | 1 Fd. | — |
| | | Keystone | 24.4 | 83 | 19 | 2.0 | 2.3 | 51 | 1 Fd. | — |
| | | Hannchen | 35.3 | 83 | 20 | 2.5 | 2.3 | 55 | 2 CW2R | T. |
| | | Betzes | 38.0 | 82 | 19 | 3.0 | 3.0 | 55 | 2 CW2R | T. |
| | | Palliser | 32.9 | 87 | 21 | 3.5 | 2.0 | 50 | 3 CW2R | — |
| Necessary difference—8.19 bushels | | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | | |
| LORANCE C. STEPHENS, WISETON | | | | | | | | | | |
| 10 | 4 | Jubilee | — | — | 13 | 2.8 | 2.5 | 48 | 1 Fd. | — |
| | | Keystone | — | — | 13 | 3.5 | 2.0 | 50 | 1 Fd. | — |
| | | Hannchen | — | — | 13 | 3.5 | 2.0 | 53 | 3 CW2R | T. |
| | | Betzes | — | — | 14 | 3.8 | 2.3 | 52 | 3 CW2R | T. |
| | | Palliser | — | — | 13 | 3.8 | 2.3 | 49 | 3 CW2R | — |
| Test damaged by grasshoppers—yields not reliable | | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | | |
| MAURICE R. OLSON, SWANSON | | | | | | | | | | |
| 10 | 10 | Jubilee | — | — | 13 | 1.0 | 1.0 | 44 | 2 Fd. | — |
| | | Keystone | — | — | 16 | 1.0 | 2.0 | 47 | 1 Fd. | — |
| | | Hannchen | — | — | 16 | 2.0 | 1.0 | 48 | 1 Fd. | T. |
| | | Betzes | — | — | 17 | 1.0 | 2.0 | 50 | 3 CW2R | T. |
| | | Palliser | — | — | 18 | 2.0 | 2.0 | 45 | 1 Fd. | T. |
| Test damaged by grasshoppers—yields not reliable | | | | | | | | | | |
| Rainfall—May to August—3.42 inches | | | | | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

- 10 2 Shirley A. Coutts, Tugaske
- 10 3 Fred H. Mielke, Beechy
- 10 5 Donald B. Arnold, Birsay
- 10 7 Allan E. Sulz, Davidson
- 10 9 Charles E. Hubbs, Bladworth

WHEAT POOL DISTRICT 11

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds per bushel measured | Commercial grades | Grading remarks |
|-----------------------------------------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| ARNOLD B. VERMETTE, ELROSE | | | | | | | | | | |
| 11 | 1 | Jubilee | — | 81 | 13 | 3.0 | 1.8 | 46 | 1 Fd. | — |
| | | Keystone | — | 80 | 16 | 2.5 | 2.0 | 46 | 1 Fd. | — |
| | | Hannchen | — | 80 | 15 | 1.8 | 2.0 | 51 | 1 Fd. | T. |
| | | Betzes | — | 80 | 13 | 2.5 | 2.8 | 50 | 1 Fd. | T. |
| | | Palliser | — | 80 | 16 | 2.8 | 2.3 | 46 | 1 Fd. | T.G. |
| Test damaged by grasshoppers—yields not reliable | | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | | |
| DONNA D. HULGAN, GLIDDEN | | | | | | | | | | |
| 11 | 3 | Jubilee | 36.3 | 82 | 19 | 2.0 | 2.0 | 48 | 1 Fd. | — |
| | | Keystone | 41.6 | 77 | 21 | 3.0 | 1.0 | 51 | 1 Fd. | — |
| | | Hannchen | 34.4 | 83 | 19 | 2.8 | 1.8 | 54 | 2 CW 2R | T. |
| | | Betzes | 42.7 | 79 | 19 | 2.0 | 2.0 | 55 | 2 CW 2R | T. |
| | | Palliser | 38.3 | 79 | 21 | 3.0 | 2.0 | 50 | 3 CW 2R | — |
| Yield differences not significant | | | | | | | | | | |
| Rainfall—May to August—4.06 inches | | | | | | | | | | |
| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds per bushel measured | Commercial grades | Grading remarks |
| 11 | 9 | Jubilee | — | — | 22 | 3.0 | 1.8 | 48 | 1 Fd. | — |
| | | Keystone | — | — | 22 | 2.0 | 2.0 | 47 | 1 Fd. | — |
| | | Hannchen | — | — | 23 | 3.5 | 2.0 | 51 | 1 Fd. | T. |
| | | Betzes | — | — | 23 | 3.8 | 2.0 | 50 | 1 Fd. | T. |
| | | Palliser | — | — | 23 | 2.8 | 2.0 | 50 | 3 CW 2R | — |
| Test damaged by grasshoppers and shattering—yields not reliable | | | | | | | | | | |
| Rainfall—May to August—4.72 inches | | | | | | | | | | |

Tests discarded on account of damage by pests, hail, drought or other causes:

- 11 6 George L. Benjamin, D'Arcy
- 11 7 Marcel J. Dubois, Rosetown
- 11 10 Delmer O. F. Patton, Major

WHEAT POOL DISTRICT 12

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds per bushel measured | Commercial grades | Grading remarks |
|-----------------------------------|------------|-----------|---------------------|--------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| PAUL MARIEN, BIGGAR | | | | | | | | | | |
| 12 | 1 | Jubilee | 11.6 | — | — | — | — | 48 | 1 Fd. | — |
| | | Keystone | 17.9 | — | — | — | — | 49 | 1 Fd. | — |
| | | Hannchen | 15.8 | — | — | — | — | 53 | 2 CW 2R | T. |
| | | Betzes | 18.7 | — | — | — | — | 54 | 2 CW 2R | T. |
| | | Palliser | 14.0 | — | — | — | — | 49 | 3 CW 2R | — |
| Necessary difference—3.45 bushels | | | | | | | | | | |
| Rainfall record incomplete | | | | | | | | | | |

Wheat Pool District 13—Continued

| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
|-----------------------------------|------------|-----------|------------------------------------|--------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| WAYNE A. JOHNS, ZELMA | | | | | | | | | | |
| 13 | 2 | Jubilee | 32.1 | 88 | 19 | 1.3 | 1.5 | 50 | 1 Fd. | — |
| | | Keystone | 42.2 | 82 | 21 | 2.5 | 1.5 | 51 | 1 Fd. | — |
| | | Hannchen | 31.5 | 91 | 20 | 2.5 | 2.3 | 55 | 1 CW 2R | — |
| | | Betzes | 38.3 | 83 | 18 | 3.0 | 2.0 | 53 | 2 CW 2R | T. |
| | | Palliser | 42.2 | 88 | 22 | 2.5 | 2.0 | 50 | 3 CW 2R | — |
| Necessary difference—3.02 bushels | | | Rainfall—May to August—3.87 inches | | | | | | | |
| LARRY H. STAHL, LANGHAM | | | | | | | | | | |
| 13 | 6 | Jubilee | 16.7 | 90 | 14 | 1.5 | 1.0 | 48 | 1 Fd. | — |
| | | Keystone | 23.8 | 89 | 15 | 1.3 | 2.0 | 47 | 1 Fd. | — |
| | | Hannchen | 22.9 | 89 | 15 | 1.5 | 1.8 | 53 | 3 CW 2R | T. |
| | | Betzes | 21.8 | 88 | 13 | 1.5 | 2.0 | 53 | 3 CW 2R | T. |
| | | Palliser | 22.3 | 88 | 17 | 1.8 | 2.0 | 48 | 3 CW 2R | — |
| Necessary difference—3.68 bushels | | | Rainfall—May to August—3.01 inches | | | | | | | |
| RAYMOND W. F. CUFF, KINLEY | | | | | | | | | | |
| 13 | 7 | Jubilee | 17.3 | — | 20 | 4.0 | 1.8 | 45 | 2 Fd. | — |
| | | Keystone | 33.1 | — | 23 | 3.8 | 2.0 | 46 | 1 Fd. | — |
| | | Hannchen | 20.9 | — | 23 | 4.0 | 1.5 | 49 | 1 Fd. | T. |
| | | Betzes | 25.6 | — | 21 | 2.8 | 1.5 | 49 | 1 Fd. | — |
| | | Palliser | 23.2 | — | 24 | 5.0 | 1.5 | 45 | 2 Fd. | G. |
| Necessary difference—6.37 bushels | | | Rainfall—May to August—3.28 inches | | | | | | | |
| BOB BAYDA, SMUTS | | | | | | | | | | |
| 13 | 8 | Jubilee | 31.0 | 78 | 18 | 1.0 | 1.0 | 48 | 1 Fd. | — |
| | | Keystone | 31.2 | 75 | 21 | 1.0 | 1.0 | 49 | 1 Fd. | — |
| | | Hannchen | 30.8 | 77 | 22 | 1.0 | 1.0 | 53 | 2 CW 2R | G. |
| | | Betzes | 34.1 | 76 | 20 | 1.5 | 1.0 | 54 | 1 CW 2R | — |
| | | Palliser | 34.7 | 78 | 22 | 1.0 | 1.0 | 49 | 3 CW 2R | — |
| Yield differences not significant | | | Rainfall—May to August—2.39 inches | | | | | | | |
| CLARENCE D. KATZENBERGER, LEPINE | | | | | | | | | | |
| 13 | 9 | Jubilee | 50.7 | 104 | 20 | 1.3 | 1.5 | 50 | 1 Fd. | — |
| | | Keystone | 51.0 | 104 | 24 | 1.0 | 1.5 | 50 | 1 Fd. | — |
| | | Hannchen | 51.5 | 103 | 21 | 1.8 | 2.0 | 54 | 2 CW 2R | T. |
| | | Betzes | 53.9 | 104 | 19 | 2.3 | 2.0 | 53 | 2 CW 2R | — |
| | | Palliser | 53.4 | 104 | 23 | 2.0 | 2.0 | 50 | 3 CW 2R | — |
| Yield differences not significant | | | Rainfall—May to August—2.84 inches | | | | | | | |
| FRED W. SCHULER, MIDDLE LAKE | | | | | | | | | | |
| 13 | 10 | Jubilee | 36.4 | — | — | — | — | 50 | 1 Fd. | — |
| | | Keystone | 34.1 | — | — | — | — | 48 | 1 Fd. | — |
| | | Hannchen | 35.8 | — | — | — | — | 55 | 2 CW 2R | T. |
| | | Betzes | 35.2 | — | — | — | — | 54 | 2 CW 2R | T. |
| | | Palliser | 35.3 | — | — | — | — | 52 | 3 CW 2R | — |
| Yield differences not significant | | | Rainfall record incomplete | | | | | | | |

WHEAT POOL DISTRICT 14

| 14 | 2 | Jubilee | 23.0 | 92 | 18 | 1.3 | 1.5 | 48 | 1 Fd. | — |
|-----------------------------------------------------------------|---|----------|------------------------------------|----|----|-----|-----|----|---------|----|
| | | Keystone | 19.5 | 89 | 19 | 2.8 | 1.8 | 48 | 1 Fd. | — |
| | | Hannchen | 24.5 | 91 | 19 | 2.5 | 2.0 | 51 | 1 Fd. | — |
| | | Betzes | 32.7 | 90 | 21 | 2.0 | 2.8 | 50 | 3 CW 2R | — |
| | | Palliser | 27.4 | 90 | 20 | 1.8 | 2.5 | 48 | 3 CW 2R | — |
| Necessary difference—6.74 bushels | | | Rainfall—May to August—3.27 inches | | | | | | | |
| 14 | 3 | Jubilee | 7.9 | 71 | 13 | 1.3 | 1.5 | 47 | 1 Fd. | — |
| | | Keystone | 11.9 | 70 | 15 | 1.5 | 1.3 | 46 | 1 Fd. | — |
| | | Hannchen | 10.5 | 70 | 15 | 3.0 | 1.5 | 52 | 1 Fd. | T. |
| | | Betzes | 15.7 | 72 | 16 | 5.5 | 2.8 | 52 | 1 Fd. | — |
| | | Palliser | 13.0 | 71 | 17 | 4.5 | 2.0 | 49 | 3 CW 2R | — |
| Test damaged by animals—yields not included in district summary | | | Rainfall—May to August—3.41 inches | | | | | | | |
| 14 | 5 | Jubilee | 52.2 | 83 | 20 | 1.3 | 1.0 | 49 | 1 Fd. | — |
| | | Keystone | 58.7 | 83 | 23 | 1.3 | 1.0 | 49 | 1 Fd. | — |
| | | Hannchen | 49.4 | 82 | 24 | 2.3 | 1.8 | 55 | 1 CW 2R | — |
| | | Betzes | 34.7 | 81 | 22 | 2.5 | 2.0 | 54 | 1 CW 2R | — |
| | | Palliser | 57.9 | 84 | 24 | 1.8 | 1.0 | 50 | 3 CW 2R | — |
| Necessary difference—8.47 bushels | | | Rainfall—May to August—3.60 inches | | | | | | | |

Wheat Pool District 12—Continued

| Dist. | Sub. Dist. | Varieties | Yield bush. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
|-------------------------------------------------|------------|-----------|------------------------------------|--------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| PHILIP HUBER, LEIPZIG | | | | | | | | | | |
| 12 | 3 | Jubilee | 6.0 | — | 7 | — | 2.5 | 47 | 1 Fd. | — |
| | | Keystone | 11.4 | — | 8 | — | 2.8 | 48 | 1 Fd. | — |
| | | Hannchen | 6.4 | — | 8 | — | 2.5 | 52 | 3 CW 2R | — |
| | | Betzes | 11.6 | — | 8 | — | 2.5 | 51 | 3 CW 2R | — |
| | | Palliser | 13.2 | — | 8 | — | 2.8 | 49 | 3 CW 2R | — |
| Necessary difference—3.59 bushels | | | Rainfall—May to August—3.11 inches | | | | | | | |
| ROBERT HEIDT, KERROBERT | | | | | | | | | | |
| 12 | 4 | Jubilee | — | — | 18 | 1.3 | 1.0 | 45 | 2 Fd. | — |
| | | Keystone | — | — | 21 | 2.0 | 1.0 | 47 | 1 Fd. | — |
| | | Hannchen | — | — | 14 | 2.3 | 3.0 | 52 | 1 Fd. | T. |
| | | Betzes | — | — | 16 | 2.5 | 3.0 | 51 | 1 Fd. | T. |
| | | Palliser | — | — | 16 | 2.5 | 2.5 | 47 | 3 CW 2R | — |
| Test damaged by grasshoppers—yield not reliable | | | Rainfall—May to August—4.20 inches | | | | | | | |
| RONALD MITZEL, REVENUE | | | | | | | | | | |
| 12 | 5 | Jubilee | 14.9 | 90 | 15 | 1.0 | 1.0 | 49 | 1 Fd. | — |
| | | Keystone | 19.3 | 89 | 17 | 1.5 | 1.3 | 49 | 1 Fd. | — |
| | | Hannchen | 18.9 | 89 | 18 | 1.0 | 1.0 | 54 | 3 CW 2R | T. G. |
| | | Betzes | 18.8 | 89 | 17 | 1.5 | 2.3 | 52 | 3 CW 2R | T. G. |
| | | Palliser | 17.0 | 89 | 18 | 1.0 | 2.0 | 49 | 3 CW 2R | — |
| Yield differences not significant | | | Rainfall—May to August—4.45 inches | | | | | | | |
| WAYNE N. BROWN, RUTLAND | | | | | | | | | | |
| 12 | 7 | Jubilee | 60.7 | 89 | 29 | 1.8 | 1.8 | 51 | 1 Fd. | — |
| | | Keystone | 65.9 | 81 | 31 | 2.0 | 1.0 | 51 | 1 Fd. | — |
| | | Hannchen | 54.6 | 86 | 27 | 2.5 | 2.0 | 56 | 1 CW 2R | — |
| | | Betzes | 60.0 | 88 | 25 | 2.5 | 3.0 | 55 | 1 CW 2R | — |
| | | Palliser | 66.0 | 91 | 29 | 2.3 | 2.0 | 52 | 3 CW 2R | — |
| Yield differences not significant | | | Rainfall—May to August—5.35 inches | | | | | | | |
| RUDY P. KEKULA, ARTLAND | | | | | | | | | | |
| 12 | 8 | Jubilee | 65.4 | — | 26 | 1.0 | 2.0 | 50 | 1 Fd. | — |
| | | Keystone | 69.6 | — | 28 | 1.0 | 1.0 | 50 | 1 Fd. | — |
| | | Hannchen | 63.6 | — | 27 | 1.0 | 2.0 | 55 | 2 CW 2R | W. |
| | | Betzes | 68.2 | — | 20 | 2.0 | 3.0 | 54 | 2 CW 2R | W. |
| | | Palliser | 64.6 | — | 25 | 1.0 | 2.0 | 49 | 3 CW 3R | — |
| Yield differences not significant | | | Rainfall—May to August—6.20 inches | | | | | | | |
| KAREN E. WISMER, CUTKNIFE | | | | | | | | | | |
| 12 | 9 | Jubilee | 34.7 | 93 | 19 | 2.0 | 3.0 | 48 | 1 Fd. | — |
| | | Keystone | 34.2 | 93 | 20 | 3.0 | 2.0 | 48 | 1 Fd. | — |
| | | Hannchen | 35.9 | 92 | 20 | 3.0 | 2.0 | 53 | 2 CW 2R | T. |
| | | Betzes | 37.2 | 90 | 17 | 4.0 | 1.0 | 54 | 1 CW 2R | — |
| | | Palliser | 38.3 | 92 | 19 | 5.0 | 3.0 | 48 | 3 CW 2R | — |
| Yield differences not significant | | | Rainfall—May to August—6.89 inches | | | | | | | |
| GARRY COTE, DELMAS | | | | | | | | | | |
| 12 | 10 | Jubilee | 40.3 | 84 | 23 | 1.0 | 1.3 | 50 | 1 Fd. | — |
| | | Keystone | 37.9 | 82 | 23 | 1.0 | 1.0 | 48 | 1 Fd. | — |
| | | Hannchen | 37.6 | 86 | 24 | 2.0 | 2.0 | 54 | 1 CW 2R | T. |
| | | Betzes | 32.5 | 84 | 18 | 7.0 | 3.0 | 53 | 2 CW 2R | — |
| | | Palliser | 42.5 | 84 | 25 | 6.0 | 2.0 | 50 | 3 CW 2R | — |
| Yield differences not significant | | | Rainfall—May to August—5.13 inches | | | | | | | |

WHEAT POOL DISTRICT 13

| Dist. | Sub. Dist. | Varieties | Yield bush. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
|-----------------------------------|------------|-----------|------------------------------------|--------------------------|------------------------|----------------|---------------|----------------------------|-------------------|-----------------|
| GARRY B. MUNDELL, LEROY | | | | | | | | | | |
| 13 | 1 | Jubilee | 11.9 | 86 | 14 | 2.0 | 1.0 | 48 | 1 Fd. | — |
| | | Keystone | 13.6 | 84 | 15 | 2.3 | 1.5 | 48 | 1 Fd. | — |
| | | Hannchen | 15.1 | 86 | 17 | 2.0 | 1.0 | 53 | 3 CW 2R | T. |
| | | Betzes | 13.8 | 85 | 17 | 2.0 | 1.5 | 54 | 3 CW 2R | T. |
| | | Palliser | 13.3 | 86 | 17 | 2.0 | 2.0 | 50 | 3 CW 2R | — |
| Yield differences not significant | | | Rainfall—May to August—3.08 inches | | | | | | | |

Wheat Pool District 14—Continued

| Dist. | Sub. Dist. | Varieties | Yield bush. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds per bushel | Commercial grades | Grading remarks |
|-----------------------------------------------------------------|------------|-----------|----------------------|--------------------------|------------------------|----------------|---------------|-------------------|-------------------|-----------------|
| VICTOR J. SHALANSKI, PORCUPINE PLAIN | | | | | | | | | | |
| 14 | 6 | Jubilee | 29.7 | 90 | 23 | 1.0 | 1.0 | 50 | 1 Fd. | — |
| | | Keystone | 25.2 | 88 | 24 | 1.0 | 1.3 | 49 | 1 Fd. | — |
| | | Hannchen | 25.1 | 90 | 27 | 1.5 | 2.0 | 54 | 2 CW 2R | T. |
| | | Betzes | 23.7 | 88 | 24 | 1.0 | 2.0 | 53 | 2 CW 2R | T. |
| | | Palliser | 24.6 | 91 | 24 | 1.3 | 2.0 | 48 | 3 CW 2R | — |
| Yield differences not significant | | | | | | | | | | |
| Rainfall—May to August—3.62 inches | | | | | | | | | | |
| RODNEY J. McLEOD, BJORKDALE | | | | | | | | | | |
| 14 | 7 | Jubilee | 26.3 | — | — | — | — | 49 | 1 Fd. | — |
| | | Keystone | 30.0 | — | — | — | — | 46 | 1 Fd. | — |
| | | Hannchen | 35.5 | — | — | — | — | 52 | 2 CW 2R | T. |
| | | Betzes | 41.3 | — | — | — | — | 51 | 2 CW 2R | T. |
| | | Palliser | 35.5 | — | — | — | — | 49 | 3 CW 2R | — |
| Necessary difference—4.62 bushels | | | | | | | | | | |
| Rainfall—May to August—2.94 inches | | | | | | | | | | |
| SHELLEY VICKAR, BROOKSBY | | | | | | | | | | |
| 14 | 9 | Jubilee | 34.5 | 80 | — | — | 1.0 | 50 | 1 Fd. | — |
| | | Keystone | 37.9 | 80 | — | — | 1.0 | 48 | 1 Fd. | — |
| | | Hannchen | 35.5 | 80 | — | — | 2.0 | 54 | 2 CW 2R | T. |
| | | Betzes | 35.4 | 80 | — | — | 2.0 | 53 | 2 CW 2R | T. |
| | | Palliser | 35.9 | 80 | — | — | 1.0 | 49 | 3 CW 2R | — |
| Test incorrectly seeded—yields not included in district summary | | | | | | | | | | |
| Rainfall—May to August—4.59 inches | | | | | | | | | | |
| AILEEN M. HANDYSIDE, NEW OSGOODE | | | | | | | | | | |
| 14 | 10 | Jubilee | 13.1 | 88 | 17 | 1.3 | 1.3 | 47 | 1 Fd. | — |
| | | Keystone | 16.4 | 86 | 17 | 1.8 | 1.7 | 47 | 1 Fd. | — |
| | | Hannchen | 16.2 | 87 | 20 | 1.8 | 2.0 | 53 | 3 CW 2R | T. |
| | | Betzes | 18.3 | 84 | 16 | 1.8 | 1.3 | 52 | 3 CW 2R | T. |
| | | Palliser | 18.0 | 89 | 21 | 2.5 | 1.5 | 48 | 3 CW 2R | — |
| Necessary difference—3.28 bushels | | | | | | | | | | |
| Rainfall—May to August—3.20 inches | | | | | | | | | | |
| BEVERLEY J. GENTNER, CARROT RIVER | | | | | | | | | | |
| 14 | 11 | Jubilee | 65.9 | 87 | 22 | 1.5 | 1.3 | 49 | 1 Fd. | — |
| | | Keystone | 65.8 | 79 | 25 | 1.3 | 1.3 | 47 | 1 Fd. | — |
| | | Hannchen | 52.5 | 79 | 25 | 2.5 | 3.0 | 54 | 2 CW 2R | T. |
| | | Betzes | 65.4 | 79 | 22 | 3.8 | 3.0 | 52 | 3 CW 2R | T. |
| | | Palliser | 75.9 | 87 | 25 | 3.0 | 3.0 | 49 | 3 CW 2R | — |
| Yield differences not significant | | | | | | | | | | |
| Rainfall—May to August—2.58 inches | | | | | | | | | | |

WHEAT POOL DISTRICT 15

| DENNIS MacLEOD, CRYSTAL SPRINGS | | | | | | | | | | |
|------------------------------------|---|----------|------|----|----|-----|-----|----|---------|--------|
| 15 | 1 | Jubilee | 12.0 | 84 | 21 | 1.0 | 1.0 | 49 | 1 Fd. | — |
| | | Keystone | 15.9 | 80 | 25 | 1.3 | 1.8 | 48 | 1 Fd. | — |
| | | Hannchen | 15.0 | 84 | 23 | 1.0 | 1.5 | 52 | 3 CW 2R | G., T. |
| | | Betzes | 12.0 | 82 | 23 | 1.8 | 1.8 | 51 | 3 CW 2R | G., T. |
| | | Palliser | 14.6 | 80 | 25 | 2.0 | 1.3 | 47 | 3 CW 2R | — |
| Yield differences not significant | | | | | | | | | | |
| Rainfall—May to August—2.41 inches | | | | | | | | | | |
| ROGER DANKU, MESKANAW | | | | | | | | | | |
| 15 | 1 | Jubilee | 20.1 | — | 12 | — | — | 49 | 1 Fd. | — |
| | | Keystone | 16.8 | — | 15 | — | — | 47 | 1 Fd. | — |
| | | Hannchen | 21.9 | — | 14 | — | — | 52 | 3 CW 2R | T. |
| | | Betzes | 24.4 | — | 16 | — | — | 51 | 3 CW 2R | T. |
| | | Palliser | 27.7 | — | 17 | — | — | 48 | 3 CW 2R | — |
| Necessary difference—6.99 bushels | | | | | | | | | | |
| Rainfall—May to August—3.16 inches | | | | | | | | | | |
| ARNOLD H. NELSON, PRINCE ALBERT | | | | | | | | | | |
| 15 | 3 | Jubilee | 40.2 | 93 | 30 | 2.0 | 2.0 | 50 | 1 Fd. | — |
| | | Keystone | 39.8 | 91 | 30 | 1.0 | 1.0 | 49 | 1 Fd. | — |
| | | Hannchen | 43.1 | 87 | 29 | 2.0 | 2.0 | 54 | 2 CW 2R | T. |
| | | Betzes | 38.1 | 84 | 27 | 2.0 | 2.0 | 53 | 2 CW 2R | T. |
| | | Palliser | 45.2 | 95 | 30 | 1.0 | 2.0 | 49 | 3 CW 2R | — |
| Yield differences not significant | | | | | | | | | | |
| Rainfall—May to August—2.79 inches | | | | | | | | | | |

Wheat Pool District 15—Continued

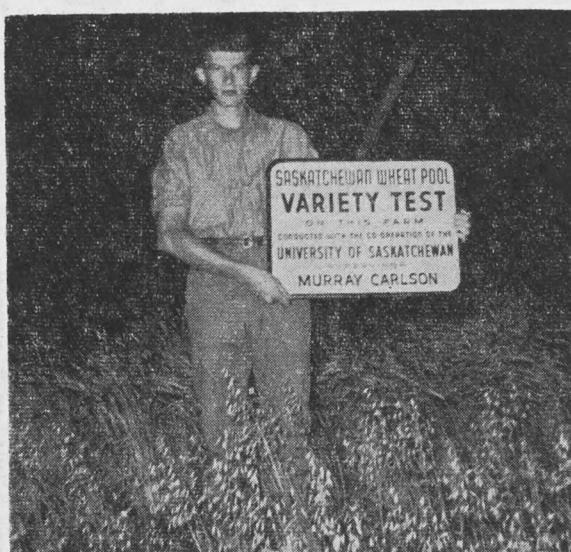
| Dist. | Sub. Dist. | Varieties | Yield bus. per acre | Days seeding to ripening | Plant height in inches | Straw strength | Neck strength | Pounds per bushel | Commer- cial grades | Grading remarks |
|-------------------------------------------------------------------------------|---------------|-----------------------|---------------------------|-----------------------------------|---------------------------------|-------------------|------------------|-------------------------|---------------------------|--------------------|
| THEODORE J. REGIER, CARLTON | | | | | | | | | | |
| 15 | 4 | Jubilee | 15.8 | — | 14 | 4.5 | 0 | 49 | 1 Fd. | — |
| | | Keystone | 20.2 | — | 15 | 6.0 | 0 | 48 | 1 Fd. | — |
| | | Hannchen | 20.0 | — | 14 | 6.5 | 0 | 52 | 3 CW 2R | T. |
| | | Betzes | 17.8 | — | 14 | 4.3 | 0 | 51 | 3 CW 2R | T. |
| | | Palliser | 18.9 | — | 14 | 5.0 | 0 | 48 | 3 CW 2R | — |
| Yield differences not significant | | | | | | | | | | |
| Rainfall—May to August—1.27 inches | | | | | | | | | | |
| MURRAY A. CARLSON, CANWOOD | | | | | | | | | | |
| 15 | 6 | Jubilee | 32.6 | 101 | 23 | 3.0 | 1.3 | 45 | 2 Fd. | — |
| | | Keystone | 36.2 | 94 | 22 | 2.3 | 1.0 | 45 | 2 Fd. | — |
| | | Hannchen | 28.0 | 100 | 22 | 3.8 | 2.0 | 53 | 3 CW 2R | G. |
| | | Betzes | 27.7 | 100 | 22 | 4.5 | 2.3 | 50 | 3 CW 2R | G. |
| | | Palliser | 34.0 | 100 | 23 | 4.3 | 2.0 | 46 | 1 Fd. | G. |
| Necessary difference—4.82 bushels | | | | | | | | | | |
| Rainfall—May to August—3.68 inches | | | | | | | | | | |
| MARILYN E. HERZOG, SHELLBROOK | | | | | | | | | | |
| 15 | 8 | Jubilee | 20.5 | 98 | 14 | 5.0 | 3.0 | 46 | 1 Fd. | — |
| | | Keystone | 16.4 | 93 | 14 | 4.0 | 2.0 | 46 | 1 Fd. | — |
| | | Hannchen | 24.6 | 93 | 16 | 4.0 | 2.0 | 50 | 1 Fd. | G., W. |
| | | Betzes | 22.1 | 93 | 12 | 8.0 | 3.0 | 46 | 1 Fd. | G., W. |
| | | Palliser | 25.5 | 93 | 18 | 2.0 | 1.0 | 45 | 1 Fd. | G., W. |
| Yield differences not significant | | | | | | | | | | |
| Rainfall—May to August—2.85 inches | | | | | | | | | | |
| J. DUNCAN MUNRO, GARRICK | | | | | | | | | | |
| 15 | 11 | Jubilee | 5.0 | 89 | — | 2.0 | 1.0 | 47 | 1 Fd. | — |
| | | Keystone | 6.7 | 83 | — | 1.0 | 1.0 | 46 | 1 Fd. | — |
| | | Hannchen | 6.9 | 89 | — | 2.0 | 1.0 | 50 | 1 Fd. | T., G. |
| | | Betzes | 7.8 | 83 | — | 1.0 | 1.0 | 49 | 1 Fd. | T. |
| | | Palliser | 9.9 | 83 | — | 1.0 | 1.0 | 46 | 3 CW 2R | — |
| Necessary difference—1.82 bushels | | | | | | | | | | |
| Rainfall—May to August—1.74 inches | | | | | | | | | | |
| Tests discarded on account of damage by pests, hail, drought or other causes: | | | | | | | | | | |
| 15 | 7 | Normand Babin, Debden | | | | | | | | |

WHEAT POOL DISTRICT 16

| DAVID L. ALEXANDER, DENHOLM | | | | | | | | | | |
|--------------------------------------------|---|----------|------|----|----|-----|-----|----|--------|----|
| 16 | 1 | Jubilee | 12.4 | 87 | 20 | 2.0 | 1.8 | 49 | 1 Fd. | — |
| | | Keystone | 20.1 | 84 | 23 | 3.3 | 1.8 | 47 | 1 Fd. | — |
| | | Hannchen | 16.4 | 87 | 20 | 2.0 | 2.8 | 51 | 3 CW2R | T. |
| | | Betzes | 21.9 | 83 | 19 | 4.0 | 3.0 | 51 | 3 CW2R | T. |
| | | Palliser | 22.1 | 88 | 23 | 3.5 | 3.0 | 49 | 3 CW2R | — |
| Necessary difference—3.75 bushels | | | | | | | | | | |
| Rainfall—May to August—4.07 inches | | | | | | | | | | |
| CAROL J. STIRTON, NORTH BATTLEFORD | | | | | | | | | | |
| 16 | 3 | Jubilee | 29.0 | 86 | 26 | 3.8 | 2.0 | 49 | 1 Fd. | — |
| | | Keystone | 35.1 | 81 | 27 | 4.0 | 1.5 | 50 | 1 Fd. | — |
| | | Hannchen | 28.3 | 85 | 28 | 3.3 | 1.0 | 52 | 3 CW2R | — |
| | | Betzes | 31.3 | 84 | 27 | 4.5 | 2.5 | 51 | 3 CW2R | — |
| | | Palliser | 30.7 | 85 | 28 | 4.0 | 2.0 | 49 | 3 CW2R | — |
| Yield differences not significant | | | | | | | | | | |
| Rainfall—May to August—3.67 inches | | | | | | | | | | |
| WALTER A. MOSIMANN, EDAM | | | | | | | | | | |
| 16 | 4 | Jubilee | — | 94 | 18 | 1.8 | 2.0 | 47 | 1 Fd. | — |
| | | Keystone | — | 87 | 22 | 1.8 | 1.0 | 47 | 1 Fd. | — |
| | | Hannchen | — | 94 | 19 | 2.0 | 1.8 | 53 | 2 CW2R | — |
| | | Betzes | — | 87 | 20 | 2.5 | 1.5 | 53 | 2 CW2R | — |
| | | Palliser | — | 89 | 21 | 2.5 | 1.8 | 49 | 3 CW2R | — |
| Test damaged by cattle—yields not reliable | | | | | | | | | | |
| Rainfall—May to August—3.31 inches | | | | | | | | | | |
| KENNETH A. TUPLIN, MAIDSTONE | | | | | | | | | | |
| 16 | 5 | Jubilee | 70.6 | 90 | 29 | 2.0 | 2.0 | 51 | 1 Fd. | — |
| | | Keystone | 69.1 | 88 | 30 | 1.0 | 1.0 | 50 | 1 Fd. | — |
| | | Hannchen | 71.5 | 91 | 28 | 2.5 | 2.0 | 55 | 1 CW2R | — |
| | | Betzes | 76.5 | 91 | 24 | 4.0 | 3.0 | 54 | 1 CW2R | — |
| | | Palliser | 71.6 | 91 | 28 | 1.5 | 1.8 | 52 | 3 CW2R | — |
| Yield differences not significant | | | | | | | | | | |
| Rainfall—May to August—6.22 inches | | | | | | | | | | |

Wheat Pool District 16—Continued

| Dist. | Sub. Dist. | Varieties | Yield bush. per acre | Days seeding to ripening | Plant height in Straw inches | Neck strength | Pounds measured per bushel | Commercial grades | Grading remarks |
|-------------------------------------------|------------|-----------|------------------------------------|--------------------------|------------------------------|---------------|----------------------------|-------------------|-----------------|
| ROBERT J. BARRADELL, PARADISE HILL | | | | | | | | | |
| 16 | 7 | Jubilee | 58.8 | 87 | 31 | 2.5 | 1.3 | 52 | 1 Fd. |
| | | Keystone | 71.6 | 85 | 33 | 1.8 | 1.3 | 52 | 1 Fd. |
| | | Hannchen | 62.6 | 88 | 36 | 2.3 | 1.5 | 55 | 1 CW2R |
| | | Betzes | 65.3 | 86 | 31 | 1.5 | 1.3 | 54 | 1 CW2R |
| | | Palliser | 64.4 | 87 | 35 | 2.8 | 1.8 | 52 | 3 CW2R |
| Necessary difference—6.93 bushels | | | Rainfall—May to August—5.80 inches | | | | | | |
| GLORIA E. M. GARRISON, BAPAUME | | | | | | | | | |
| 16 | 10 | Jubilee | 60.2 | — | — | — | — | 50 | 1 Fd. |
| | | Keystone | 48.8 | — | — | — | — | 48 | 1 Fd. |
| | | Hannchen | 53.1 | — | — | — | — | 53 | 2 CW2R |
| | | Betzes | 55.9 | — | — | — | — | 54 | 2 CW2R |
| | | Palliser | 55.9 | — | — | — | — | 50 | 3 CW2R |
| Yield differences not significant | | | Rainfall—May to August—3.73 inches | | | | | | |
| JAMES B. NEUFELD, DORINTOSH | | | | | | | | | |
| 16 | 11 | Jubilee | 65.4 | — | — | — | — | 52 | 1 Fd. |
| | | Keystone | 83.3 | — | — | — | — | 50 | 1 Fd. |
| | | Hannchen | 54.0 | — | — | — | — | 54 | 2 CW2R |
| | | Betzes | 56.5 | — | — | — | — | 53 | 3 CW2R |
| | | Palliser | 55.2 | — | — | — | — | 51 | 3 CW2R |
| Necessary difference—9.60 bushels | | | Rainfall—May to August—6.84 inches | | | | | | |



Murray Carlson of Canwood stands between the rows of his barley test.

ACKNOWLEDGEMENTS

During the year a great number of agencies and individuals contributed in many ways to the success of this testing project. The Saskatchewan Wheat Pool wishes to express appreciation to all those who assisted in any way.

Special mention should be made of the following:

Drs. W. J. White, D. R. Knott and E. N. Larter of the Field Husbandry Department, University of Saskatchewan.
 The Experimental Farm, Indian Head, Saskatchewan.
 The Experimental Farm, Melfort, Saskatchewan.
 The Experimental Farm, Regina, Saskatchewan.
 The Experimental Farm, Scott, Saskatchewan.
 The Experimental Farm, Swift Current, Saskatchewan.

A special word of appreciation is due to more than three hundred young farm men and women who contributed of their time and energy to help make this testing project a success.

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